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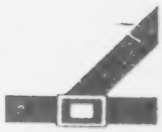
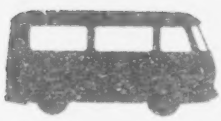
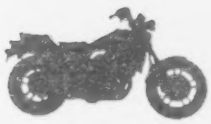
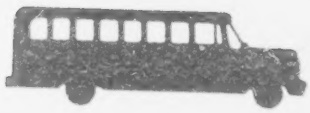
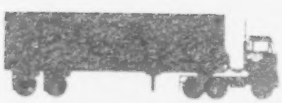
1990 Virginia
Traffic Crash Facts







1990 Virginia Traffic Crash Facts

Virginia Department of Motor Vehicles
Richmond, Virginia

Commissioner's Message

Dear Reader,

The Virginia Department of Motor Vehicles is pleased to present the 1990 edition of **Virginia Traffic Crash Facts.** Published annually, it provides a comprehensive view of traffic crashes and causes in Virginia and can be a valuable tool in problem identification, education and community activities.

This publication is the result of the cooperative efforts of the Virginia Department of Motor Vehicles, the Virginia State Police and Virginia Department of Transportation.

I hope you will find the information useful. Any comments you may have about the information or format are welcome.

Sincerely,

Donald E. Williams

Donald E. Williams
Commissioner

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Glossary

Alcohol-related crash: Crash where either a driver, bicyclist or pedestrian is listed on the police report as drinking before the crash.

Alcohol-related fatality: Person who dies within 30 days as a result of a traffic crash involving alcohol.

Crash rate: Number of crashes per 100 million vehicle miles, unless otherwise stated.

Death rate per vehicle miles traveled: Number of fatalities per 100 million vehicle miles.

Death rate per drivers: Number of fatalities per 1,000 Virginia licensed drivers.

Fatal crash: Crash which results in one or more fatalities.

Fatality: Person who dies within 30 days as a result of a traffic crash.

Percentage: Based on "known" totals within categories or actions. Does not include "unknown" or "not stated" data.

Personal injury crash: Crash which results in no fatalities but one or more persons are injured.

***Property damage crash:** Crash which results in no fatalities or injuries, but there is property damage of at least $750.

***Reportable traffic crash:** Crash on a public highway which involves death, injury or property damage in excess of $750.

Vehicle miles traveled (VMT): Total number of miles traveled on Virginia highways.

NOTE: Percentages on tables within documents are rounded and may not equal 100 percent.
*Effective July 1, 1988, cost of reportable property damage crashes increased from $500 to $750.

1990 Quick Facts
About Virginia

General Facts

- 1,071 persons were killed, a 7.21 percent increase from 1989
- 76,436 persons were injured, a 3.62 percent decrease from 1989
- 134,505 traffic crashes were reported, a 6.04 percent decrease from 1989
- There were 4,404,722 licensed drivers, a 3.65 percent increase from 1989
- There were 58,891,000,000 estimated vehicle miles travelled, a 0.75 percent decrease from 1989
- There were 4,985,438 registered vehicles, a 2.00 percent increase from 1989

Alcohol-Related Facts

- 535 persons were killed in alcohol-related crashes, an 11.46 percent increase from 1989*
- 14,070 persons were injured in alcohol-related crashes, a 5.46 percent increase from 1989
- 64 teenagers, aged 15-19, were killed in alcohol-related crashes, or a 5.98 percent of the total (1,071) traffic fatalities
- 2,260 teenagers, aged 15-19, were injured in alcohol-related crashes, or a 2.89 percent of the total (76,436) traffic injuries
- 43,618 persons were tested to determine blood alcohol content (BAC) of .10 percent or greater, a 7.27 percent increase from 1989
- The average BAC of tested drinking drivers was .1607**
- 49,601 persons were arrested for driving under the influence (DUI), a 5.59 percent increase from 1989
- Of those arrested for DUI, 87 percent were male and 13 percent were female
- 86 percent of those arrested for DUI were convicted in 1989; 85.2 percent of those arrested for DUI were convicted in 1990

.....

NOTE: *Medical examiner data used in addition to police reports to determine alcohol-related status.
**This includes an average of both breath and blood tests.

What Happened on **Virginia Roads**

In 1990:

Months	Total Crashes	Total Fatal Crashes	Total Fatalities	Total Personal Injury Crashes	Total Injuries	Alcohol-Related Crashes	Alcohol-Related Fatalities	Alcohol-Related Injuries
January	10,646	80	89	3,924	5,752	1,296	40	1,046
February	9,624	58	69	3,565	5,346	1,313	35	1,023
March	11,111	74	83	4,225	6,212	1,512	39	1,144
April	10,816	68	82	4,134	6,117	1,346	33	1,095
May	12,285	92	104	4,622	6,734	1,527	59	1,215
June	11,384	98	107	4,650	6,944	1,543	56	1,311
July	11,503	96	110	4,646	7,127	1,510	52	1,311
August	11,489	88	102	4,666	6,927	1,452	52	1,224
September	10,457	73	78	4,391	6,493	1,444	49	1,273
October	12,226	83	89	4,659	6,702	1,451	38	1,142
November	11,315	74	81	4,021	5,826	1,416	45	1,062
December	11,649	64	77	4,251	6,256	1,527	37	1,224
Totals	**134,505**	**948**	**1,071**	**51,754**	**76,436**	**17,337**	**535**	**14,070**

Looking Back

- fatalities have increased 7.21 percent over the past year
- injuries have decreased 3.62 percent over the past year
- crashes have decreased 6.04 percent over the past year
- Virginia's death rate has increased 5.81 percent over the past year

On the Average

- 1 crash every 3.91 minutes
- 1 driver out of every 18.16 licensed drivers was involved in a crash
- 2.93 lives lost per day because of traffic crashes
- 209.41 persons injured per day because of traffic crashes

Speeding

	All Crashes	Alcohol-Related Crashes	Alcohol-Related Crashes Percent
Speed			
Speed Limit Exceeded	13,829	4,334	31.3
Safe Speed Exceeded	15,159	2,029	13.4
No Violation	88,763	8,114	9.1
Total	117,751	14,477	12.3
Not Stated	16,754	2,860	
Grand Total	134,505	17,337	

Speed of Drivers

- 2,859 drivers speeding 56–60 MPH at time of crash
- 2,834 drivers speeding 61–65 MPH at time of crash
- 780 drivers speeding 66–70 MPH at time of crash
- 882 drivers speeding over 70 MPH at time of crash

Cumulative Mileage Death Rates

	1990	1989	Percent Change
Motor Vehicle Traffic Deaths	1,071	999	+7.21
Motor Vehicle Mileage Traveled (Millions)	58,891.0*	59,337.0**	–0.75
Death Rate Per 100,000,000 Vehicle Miles	1.82*	1.72	+5.81
Fatal Crashes Rate Per 100,000,000 Vehicle Miles	1.61*	1.54**	+4.55

*Data for 1990 is estimated
**Revised with actual VMT

Crash Vehicles

	Number	Percent
Type of Crash		
Single Vehicle	40,402	30.0
Two Vehicles	82,728	61.5
Three Vehicles	9,310	6.9
Four Vehicles	1,682	1.2
Five or More	383	0.2
Total Crashes	134,505	100.0

Important Circumstances of Crashes

	Percent Total Crashes	Percent Fatal Crashes
Driver Information, All Types of Crashes		
Driver Violated Traffic Law	99.0	57.0
Driver Violated Speed Law	10.0	20.0
Driver Drinking	12.0	22.0
Driver Defective	4.0	8.0
Pedestrian Information, Pedestrian Crashes Only		
Pedestrian Violated Law	97.0	96.0
Pedestrian Drinking	18.0	31.0
Pedestrian Defective	7.0	12.0
All Crashes		
Crashes Involving Defective Vehicle	4.0	4.0

Occupation of Driver

	All Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes
Students	25,648	131	9,755	15,762
Housewives and Domestic Servants	9,228	48	3,704	5,476
Professional and Business	37,352	134	13,437	23,781
Craftsmen and Foremen	25,851	136	9,661	16,054
Farmers and Farm Laborers	1,331	12	510	809
Sales and Clerical	21,013	73	8,063	12,877
Salesmen	177	2	72	103
Other Commercial	13,845	158	5,153	8,534
All Other Workers	58,686	398	23,099	35,189
All Others	22,943	171	9,537	13,235
Air Corps	452	2	174	276
Navy	5,762	30	2,034	3,698
Army	1,090	6	375	709
Marines	544	3	180	361
Not Stated	18,634	137	7,514	10,983
Total Drivers	**242,556**	**1,441**	**93,268**	**147,847**

Crashes by Hour and Day

Fatal Crashes	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total Crashes
Midnight to 12:59 A.M.	1	3	3	5	7	17	18	54
1:00 A.M. to 1:59 A.M.	5	4	3	5	12	20	16	65
2:00 A.M. to 2:59 A.M.		4	2	4	6	13	13	42
3:00 A.M. to 3:59 A.M.	3	4	3	3	2	6	6	27
4:00 A.M. to 4:59 A.M.	1	2	1	1	2	9	7	23
5:00 A.M. to 5:59 A.M.	1	4	4	2	4	5	4	24
6:00 A.M. to 6:59 A.M.	3	5	9	4	1	7	1	30
7:00 A.M. to 7:59 A.M.	5	7	2	2	3	5	2	26
8:00 A.M. to 8:59 A.M.	5	2	4	3	7	1	5	27
9:00 A.M. to 9:59 A.M.	2	1	2	1	5	5		16
10:00 A.M. to 10:59 A.M.	3	4	5	4	5	5	5	31
11:00 A.M. to 11:59 A.M.	6	2	4	5	5	5	4	31
Noon to 12:59 P.M.	2	5	3	5	3	6	6	30
1:00 P.M. to 1:59 P.M.	3	6	4	7	11	7	5	43
2:00 P.M. to 2:59 P.M.	7	6	3	7	3	6	6	38
3:00 P.M. to 3:59 P.M.	14	8	7	9	8	6	4	56
4:00 P.M. to 4:59 P.M.	4	4	4	7	11	11	4	45
5:00 P.M. to 5:59 P.M.	6	4	5	9	10	3	10	47
6:00 P.M. to 6:59 P.M.	7	5		7	4	14	8	45
7:00 P.M. to 7:59 P.M.	2	3	3	6	10	8	9	41
8:00 P.M. to 8:59 P.M.	3	5	3	7	5	10	11	44
9:00 P.M. to 9:59 P.M.	3	5	6	4	14	16	3	51
10:00 P.M. to 10:59 P.M.	3	5	5	5	10	11	9	48
11:00 P.M. to 11:59 P.M.	7	4	7	11	10	13	10	62
Not Stated				1			1	2
Total Crashes	96	102	92	124	158	209	167	948

Personal Injury Crashes	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total Crashes
Midnight to 12:59 A.M.	143	112	119	151	181	389	363	1,458
1:00 A.M. to 1:59 A.M.	109	76	96	137	163	376	352	1,309
2:00 A.M. to 2:59 A.M.	83	58	83	141	116	375	368	1,224
3:00 A.M. to 3:59 A.M.	65	38	54	62	64	209	222	714
4:00 A.M. to 4:59 A.M.	46	48	41	41	53	151	142	522
5:00 A.M. to 5:59 A.M.	77	90	58	76	97	124	81	603
6:00 A.M. to 6:59 A.M.	193	249	205	246	211	126	96	1,326
7:00 A.M. to 7:59 A.M.	343	465	370	404	371	154	81	2,188
8:00 A.M. to 8:59 A.M.	363	435	359	347	410	207	104	2,225
9:00 A.M. to 9:59 A.M.	233	282	248	278	294	239	147	1,721
10:00 A.M. to 10:59 A.M.	252	251	251	291	289	360	195	1,889
11:00 A.M. to 11:59 A.M.	313	328	261	326	401	437	214	2,280
Noon to 12:59 P.M.	411	358	330	367	484	542	332	2,824
1:00 P.M. to 1:59 P.M.	373	359	325	401	447	527	333	2,765
2:00 P.M. to 2:59 P.M.	488	423	404	417	536	482	358	3,108
3:00 P.M. to 3:59 P.M.	560	525	473	561	704	484	361	3,668
4:00 P.M. to 4:59 P.M.	642	545	572	610	797	519	421	4,106
5:00 P.M. to 5:59 P.M.	578	592	613	697	801	495	390	4,166
6:00 P.M. to 6:59 P.M.	434	401	429	465	584	484	418	3,215
7:00 P.M. to 7:59 P.M.	330	268	275	344	468	403	312	2,400
8:00 P.M. to 8:59 P.M.	251	251	275	262	406	389	274	2,108
9:00 P.M. to 9:59 P.M.	252	216	234	290	451	353	250	2,046
10:00 P.M. to 10:59 P.M.	186	192	222	254	461	419	209	1,943
11:00 P.M. to 11:59 P.M.	164	169	189	221	458	415	170	1,786
Not Stated	32	14	21	21	23	24	25	160
Total Crashes	6,921	6,745	6,507	7,410	9,270	8,683	6,218	**51,754**

Property Damage Crashes	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total Crashes
Midnight to 12:59 A.M.	185	156	144	190	236	515	454	1,880
1:00 A.M. to 1:59 A.M.	165	128	130	161	215	465	458	1,722
2:00 A.M. to 2:59 A.M.	137	92	104	125	203	456	392	1,509
3:00 A.M. to 3:59 A.M.	77	56	59	99	129	284	248	952
4:00 A.M. to 4:59 A.M.	80	74	64	80	100	154	189	741
5:00 A.M. to 5:59 A.M.	139	151	123	145	133	196	143	1,030
6:00 A.M. to 6:59 A.M.	371	418	403	409	380	187	145	2,313
7:00 A.M. to 7:59 A.M.	660	839	746	777	716	223	139	4,100
8:00 A.M. to 8:59 A.M.	671	746	692	685	721	372	143	4,030
9:00 A.M. to 9:59 A.M.	428	501	441	464	520	539	229	3,122
10:00 A.M. to 10:59 A.M.	464	483	398	483	568	653	287	3,336
11:00 A.M. to 11:59 A.M.	511	534	501	561	655	738	321	3,821
Noon to 12:59 P.M.	647	619	597	675	846	826	421	4,631
1:00 P.M. to 1:59 P.M.	672	585	571	679	773	772	497	4,549
2:00 P.M. to 2:59 P.M.	673	650	646	734	907	791	434	4,835
3:00 P.M. to 3:59 P.M.	882	865	888	946	1,228	761	493	6,063
4:00 P.M. to 4:59 P.M.	1,038	943	976	1,113	1,290	757	479	6,596
5:00 P.M. to 5:59 P.M.	1,047	1,005	965	1,146	1,370	741	535	6,809
6:00 P.M. to 6:59 P.M.	702	665	762	775	932	623	501	4,960
7:00 P.M. to 7:59 P.M.	451	408	494	518	725	552	415	3,563
8:00 P.M. to 8:59 P.M.	362	325	352	461	570	459	338	2,867
9:00 P.M. to 9:59 P.M.	290	301	374	450	602	540	327	2,884
10:00 P.M. to 10:59 P.M.	263	272	298	339	607	492	249	2,520
11:00 P.M. to 11:59 P.M.	240	232	285	281	558	585	224	2,505
Not Stated	48	51	57	47	86	89	87	465
Total Crashes	11,203	11,099	11,070	12,343	15,170	12,770	8,148	**81,803**

Total Crashes	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total Crashes
Midnight to 12:59 A.M.	329	271	266	346	424	921	835	3,392
1:00 A.M. to 1:59 A.M.	279	208	229	303	390	861	826	3,096
2:00 A.M. to 2:59 A.M.	220	154	189	270	325	844	773	2,775
3:00 A.M. to 3:59 A.M.	145	98	116	164	195	499	476	1,693
4:00 A.M. to 4:59 A.M.	127	124	106	122	155	314	338	1,286
5:00 A.M. to 5:59 A.M.	217	245	185	223	234	325	228	1,657
6:00 A.M. to 6:59 A.M.	567	672	617	659	592	320	242	3,669
7:00 A.M. to 7:59 A.M.	1,008	1,311	1,118	1,183	1,090	382	222	6,314
8:00 A.M. to 8:59 A.M.	1,039	1,183	1,055	1,035	1,138	580	252	6,282
9:00 A.M. to 9:59 A.M.	663	784	691	743	819	783	376	4,859
10:00 A.M. to 10:59 A.M.	719	738	654	778	862	1,018	487	5,256
11:00 A.M. to 11:59 A.M.	830	864	766	892	1,061	1,180	539	6,132
Noon to 12:59 P.M.	1,060	982	930	1,047	1,333	1,374	759	7,485
1:00 P.M. to 1:59 P.M.	1,048	950	900	1,087	1,231	1,306	835	7,357
2:00 P.M. to 2:59 P.M.	1,168	1,079	1,053	1,158	1,446	1,279	798	7,981
3:00 P.M. to 3:59 P.M.	1,456	1,398	1,368	1,516	1,940	1,251	858	9,787
4:00 P.M. to 4:59 P.M.	1,684	1,492	1,552	1,730	2,098	1,287	904	10,747
5:00 P.M. to 5:59 P.M.	1,631	1,601	1,583	1,852	2,181	1,239	935	11,022
6:00 P.M. to 6:59 P.M.	1,143	1,071	1,191	1,247	1,520	1,121	927	8,220
7:00 P.M. to 7:59 P.M.	783	679	772	868	1,203	963	736	6,004
8:00 P.M. to 8:59 P.M.	616	581	630	730	981	858	623	5,019
9:00 P.M. to 9:59 P.M.	545	522	614	744	1,067	909	580	4,981
10:00 P.M. to 10:59 P.M.	452	469	525	598	1,078	922	467	4,511
11:00 P.M. to 11:59 P.M.	411	405	481	513	1,126	1,013	404	4,353
Not Stated	80	65	78	69	109	113	113	627
Total Crashes	**18,220**	**17,946**	**17,669**	**19,877**	**24,598**	**21,662**	**14,533**	**134,505**

Age and Sex of Persons Killed

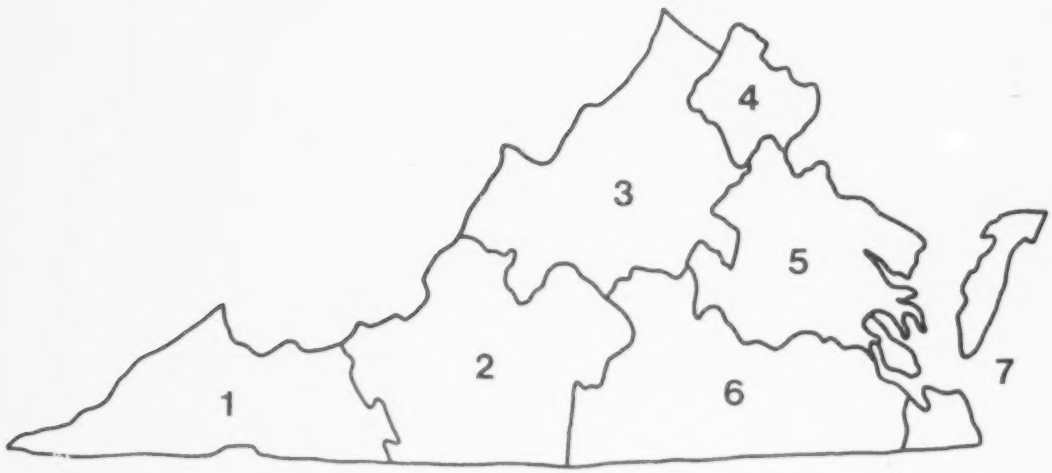
	All Persons Killed				Pedestrians Killed				Bicyclists Killed				Motorcyclists Killed			
Age	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated
Under 5	30	20	10		7	5	2									
5–9	21	15	6		6	5	1		2	2						
10–14	22	13	9		3	1	2		1	1						
15	9	5	4													
16	29	22	7		1	1			1	1			1	1		
17	33	24	9		1		1		2	2			3	3		
18	49	31	18		1	1							2	2		
19	43	34	9		3	2	1						3	3		
20	39	30	9		4	4							4	4		
21–25	141	101	40		8	5	3		2	1	1		16	15	1	
26–30	141	107	34		14	9	5		3	3			8	8		
31–35	94	65	29		9	7	2		1		1		9	9		
36–40	78	51	27		9	4	5		2	2			7	6	1	
41–45	51	36	15		10	8	2		1	1			2	2		
46–50	47	36	11		7	7							1	1		
51–55	41	29	12		7	6	1		1	1			1	1		
56–60	44	27	17		7	7			1	1						
61–65	32	24	8		5	4	1									
66–70	40	19	21		5	3	2									
Over 70	83	41	42		9	4	5									
Unknown	4	2		2					3	1		2				
Total	**1,071**	**732**	**337**	**2**	**116**	**83**	**33**		**20**	**16**	**2**	**2**	**57**	**55**	**2**	

Age and Sex of Persons Injured

	All Persons Injured				Pedestrians Injured				Bicyclists Injured				Motorcyclists Injured			
Age	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated
Under 5	1,686	891	794	1	108	73	35		11	8	3					
5–9	2,125	1,099	1,020	6	278	180	98		144	101	38	5	6	6		
10–14	2,510	1,255	1,227	28	235	144	91		236	188	33	15	24	21	3	
15	1,020	473	540	7	52	32	20		48	33	8	7	9	6	3	
16	2,442	1,207	1,230	5	46	26	20		45	35	5	5	20	16	4	
17	2,801	1,431	1,366	4	43	26	17		36	28	6	2	32	28	4	
18	3,075	1,642	1,431	2	51	29	22		35	28	6	1	81	76	5	
19	3,202	1,770	1,428	4	52	26	26		31	20	8	3	122	114	8	
20	2,909	1,647	1,259	3	50	28	22		38	28	7	3	120	114	6	
21–25	11,892	6,532	5,349	11	235	152	83		146	114	23	9	398	370	28	
26–30	9,884	5,303	4,576	5	235	165	70		119	103	12	4	307	278	29	
31–35	7,724	3,950	3,768	6	189	120	69		95	81	8	6	212	190	22	
36–40	5,902	2,807	3,089	6	148	95	53		62	51	6	5	114	106	8	
41–45	4,662	2,155	2,505	2	112	71	41		37	30	6	1	63	52	11	
46–50	3,343	1,498	1,845		92	61	31		13	11	2		51	45	6	
51–55	2,506	1,102	1,403	1	56	40	16		9	8	1		22	19	3	
56–60	2,035	936	1,099		56	33	23		6	5	1		17	11	6	
61–65	1,859	848	1,011		40	22	18		7	6	1		18	17	1	
66–70	1,510	644	865	1	35	21	14		7	6	1		6	5	1	
Over 70	2,395	1,051	1,343	1	81	33	48		7	7			4	4		
Unknown	954	385	408	161	26	14	12		97	5	1	91	7	5	2	
Total	**76,436**	**38,626**	**37,556**	**254**	**2,220**	**1,391**	**829**		**1,229**	**896**	**176**	**157**	**1,633**	**1,483**	**150**	

What Happened in
DMV Districts in 1990

In 1990:



Jurisdiction	Total Crashes	Total Fatalities	Total Injuries	Alcohol-Related Crashes	Alcohol-Related Fatalities	Alcohol-Related Injuries	Licensed Drivers	Death Rate Per Drivers*
DMV District 1	7,908	100	5,319	1,094	50	958	278,701	0.35
DMV District 2	18,673	170	10,248	2,723	85	2,204	600,565	0.28
DMV District 3	12,779	169	7,380	1,810	81	1,465	437,406	0.38
DMV District 4	34,506	181	16,600	3,511	89	2,455	1,209,142	0.15
DMV District 5	22,903	162	13,808	2,840	92	2,360	724,878	0.22
DMV District 6	8,678	157	6,394	1,471	72	1,366	286,502	0.54
DMV District 7	29,032	132	16,671	3,886	66	3,260	824,440	0.16
Not Stated	5		6	1		1	43,046	
Unknown	21		10	1		1	42	
Total	**134,505**	**1,071**	**76,436**	**17,337**	**535**	**14,070**	**4,404,722**	

NOTE: Total figure for licensed drivers includes out-of-state residents and unknown.

*Death rate per 1,000 Virginia licensed drivers.

What Happened in
Virginia Counties

In 1990:

Jurisdiction	Total			Alcohol-Related			Licensed Drivers*	Death Rate Per Drivers**
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries		
Counties								
Accomack	555	6	360	107	3	94	23,998	0.25
Albemarle	1,729	21	924	191	6	148	47,873	0.43
Alleghany	271	1	199	46	1	43	10,142	0.09
Amelia	158	5	99	32	4	26	6,469	0.77
Amherst	624	5	341	121	3	100	19,356	0.25
Appomattox	212	1	135	31	1	35	11,223	0.08
Arlington	3,773	7	1,728	461	3	299	136,478	0.05
Augusta	1,070	27	673	165	12	119	43,194	0.62
Bath	112		75	22		21	3,880	
Bedford	876	20	578	141	10	129	35,659	0.56
Bland	160	3	78	24	1	25	4,298	0.69
Botetourt	546	12	347	84	5	88	18,916	0.63
Brunswick	333	7	228	60	3	45	9,971	0.70
Buchanan	773	12	537	115	11	112	22,138	0.54
Buckingham	194	7	133	36	2	41	8,265	0.84
Campbell	886	4	532	195	2	144	35,354	0.11
Caroline	541	10	352	103	6	85	13,329	0.75
Carroll	560	7	359	76	1	67	19,711	0.35
Charles City	124	1	118	27		25	4,683	0.21
Charlotte	205	6	124	37	2	25	8,393	0.71
Chesterfield	4,114	31	2,315	502	17	392	153,290	0.20
Clarke	195	6	133	43	4	44	8,133	0.73
Craig	110	2	69	22	1	23	3,276	0.61
Culpeper	652	8	399	98	5	93	19,887	0.40
Cumberland	115		100	18		15	5,541	
Dickenson	291	3	224	47	3	57	11,815	0.25
Dinwiddie	347	9	252	62	7	51	14,473	0.62
Essex	231		141	28		23	6,593	
Fairfax	17,484	69	7,780	1,487	35	1,019	625,510	0.11
Fauquier	1,167	18	630	182	7	128	36,653	0.49
Floyd	152	1	105	28	1	29	8,740	0.11
Fluvanna	177	2	83	20		13	9,143	0.21
Franklin	875	12	591	150	9	116	28,215	0.42
Frederick	748	17	528	156	10	150	35,046	0.48
Giles	294	2	188	60	1	41	11,945	0.16
Gloucester	526	4	409	84	2	84	21,615	0.18
Goochland	349	5	226	50	4	46	10,012	0.49
Grayson	215	3	151	36	3	29	11,975	0.25
Greene	200	7	150	29	2	23	7,363	0.95
Greensville	299	10	291	37	2	44	6,651	1.50
Halifax	644	13	423	141	9	129	20,985	0.61
Hanover	1,308	10	756	190	6	148	48,463	0.20
Henrico	4,248	13	2,390	467	9	335	160,776	0.08
Henry	1,173	17	736	205	7	198	43,457	0.39
Highland	46	4	34	7	2	9	1,928	2.07
Isle of Wight	516	10	407	112	7	88	18,257	0.54
James City	414	6	293	68	2	69	25,339	0.23
King & Queen	92	4	82	17	2	19	4,490	0.89
King George	295	14	149	39	7	31	9,424	1.48
King William	178	1	112	23	1	14	7,947	0.12

Jurisdiction	Total			Alcohol-Related			Licensed Drivers*	Death Rate Per Drivers**
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries		
Counties								
Lancaster	128	1	70	26	1	19	8,692	0.11
Lee	410	6	324	60	2	55	15,920	0.37
Loudoun	1,904	14	964	243	2	175	67,471	0.20
Louisa	420	5	292	74	2	71	14,753	0.33
Lunenburg	126	3	105	31	2	29	8,123	0.36
Madison	227	3	167	40		29	7,943	0.37
Mathews	111	1	92	22	1	23	6,459	0.15
Mecklenburg	576	7	437	100	2	105	20,009	0.34
Middlesex	122	2	86	20	1	21	6,881	0.29
Montgomery	1,574	10	920	219	3	173	45,284	0.22
Nelson	258	7	167	43	6	36	9,081	0.77
New Kent	284	9	211	45	5	48	8,193	1.09
Northampton	246	10	203	43	2	52	9,056	1.10
Northumberland	142	2	108	29	1	28	8,341	0.23
Nottoway	213	5	128	57	3	48	9,679	0.51
Orange	391	9	271	66	2	66	15,990	0.56
Page	387	6	234	78	5	77	15,269	0.39
Patrick	346	7	218	66	3	61	12,559	0.55
Pittsylvania	971	28	594	177	16	154	43,589	0.64
Powhatan	231	2	135	46	1	39	10,238	0.19
Prince Edward	335	4	226	52	2	49	10,274	0.38
Prince George	476	15	311	74	1	61	16,904	0.88
Prince William	4,497	40	2,598	527	22	409	148,760	0.26
Pulaski	704	8	469	116	3	111	24,382	0.32
Rappahannock	132		75	23		15	5,228	
Richmond	149	3	102	29	3	22	5,664	0.52
Roanoke	1,344	10	751	178	6	123	61,175	0.16
Rockbridge	575	8	410	99	5	77	13,856	0.57
Rockingham	890	13	615	134	6	104	42,524	0.30
Russell	426	8	345	61	3	72	19,498	0.41
Scott	427	7	296	57	3	50	16,449	0.42
Shenandoah	567	13	347	92	5	95	24,160	0.53
Smyth	593	4	407	99	1	72	23,041	0.17
Southampton	386	16	332	84	4	87	11,956	1.33
Spotsylvania	1,090	15	695	146	10	159	40,001	0.37
Stafford	1,113	25	671	193	14	136	41,654	0.60
Surry	132	6	97	21	4	15	4,578	1.31
Sussex	278	7	225	46	1	52	7,012	0.99
Tazewell	945	2	657	111	2	99	33,883	0.05
Warren	607	2	294	86	1	63	20,216	0.09
Washington	986	13	636	135	5	111	34,081	0.38
Westmoreland	259	5	161	66	2	45	11,438	0.43
Wise	734	9	451	103	3	77	29,041	0.30
Wythe	595	15	379	87	7	70	18,735	0.80
York	799	7	479	139	4	112	29,231	0.23
Total	**79,272**	**855**	**45,822**	**10,725**	**418**	**8,726**	**2,897,570**	

NOTE: Figures for counties include incorporated towns within those counties (not independent cities, however).

*Total figure for drivers in each locality includes only persons with Virginia licenses (whether revoked or suspended).

**Death rate per 1,000 Virginia licensed drivers in each locality.

What Happened in **Virginia Cities**

In 1990:

Jurisdiction	Total			Alcohol-Related			Licensed Drivers*	Death Rate Per Drivers**
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries		
Cities								
Alexandria	2,590	4	1,280	259	2	177	99,966	0.04
Bedford	111	1	33	5		2	3,782	0.26
Bristol	425	4	260	46	1	34	11,665	0.34
Buena Vista	61		37	7		8	4,341	
Charlottesville	1,008	6	453	115	4	82	25,385	0.23
Chesapeake	2,976	16	1,829	418	12	375	104,245	0.15
Clifton Forge	68		29	8		3	2,985	
Colonial Heights	415		265	31		39	12,959	
Covington	154		70	14		10	4,959	
Danville	1,365	8	696	159	4	127	31,796	0.25
Emporia	134	3	76	15	2	16	2,974	1.00
Fairfax	1,091	1	459	69	1	45	16,379	0.06
Falls Church	244		117	20		11	13,185	
Franklin	136		70	14		7	4,887	
Fredericksburg	578	1	263	63	1	46	14,128	0.07
Galax	232	4	141	26	4	23	4,333	0.92
Hampton	3,236	6	1,998	420	1	318	88,074	0.06
Harrisonburg	718	3	317	62	3	39	16,304	0.18
Hopewell	478		312	78		66	16,149	
Lexington	101	1	37	15	1	8	3,567	0.28
Lynchburg	1,861	6	816	182		140	41,444	0.14
Manassas	631	3	325	58	3	51	19,106	0.15
Manassas Park	84		48	12		5	3,980	
Martinsville	520	2	229	68	1	47	10,599	0.18
Newport News	3,682	18	2,336	472	9	423	108,351	0.16
Norfolk	7,510	35	4,189	980	16	829	134,751	0.25
Norton	136		74	11		5	2,118	0.42
Petersburg	768	10	661	110	4	88	23,702	0.42
Poquoson	81		39	17		7	7,937	
Portsmouth	2,094	5	1,480	289	2	251	63,773	0.07
Radford	246	1	119	30		26	7,615	0.13
Richmond	7,118	21	4,412	729	9	621	131,442	0.15
Roanoke	2,819	10	1,235	338	6	248	67,307	0.14
Salem	571	2	248	80	2	33	16,806	0.11
South Boston	135		84	15		9	4,260	
Staunton	439	1	198	40		19	15,072	0.06
Suffolk	1,279	14	1,008	208	11	231	34,031	0.41
Virginia Beach	7,853	29	3,758	1,001	17	799	255,024	0.11
Waynesboro	383		209	37		18	12,387	
Williamsburg	271	1	130	21	1	18	7,440	0.13
Winchester	677		258	68		38	14,856	
Total	55,207	216	30,598	6,610	117	5,342	1,464,064	

*Total figure for drivers in each locality includes only persons with Virginia licenses (whether revoked or suspended).

**Death rate per 1,000 Virginia licensed drivers in each locality.

What Happened in **Virginia Towns**

In 1990:

Jurisdiction	Total			Alcohol-Related		
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries
Towns						
Abingdon	236	3	109	23	1	10
Accomac	2					
Alberta	1					
Altavista	92	1	24	12	1	1
Amherst	18		9	5		1
Appalachia	9		3	2		2
Appomatox	67		33	4		4
Ashland	103		40	9		3
Belle Haven	3		3	1		
Berryville	14		3	3		2
Big Stone Gap	72		26	5		1
Blacksburg	477	1	216	66		34
Blackstone	36		14	6		7
Bloxom	1					
Bluefield	82		40	8		3
Boones Mill	3		2			
Bowling Green	7					
Boyce	1		1			
Boydton						
Boykins	2		1			
Branchville	1			1		
Bridgewater	12		2	1		
Broadway	10		6	2		2
Brodnax	3		2	1		1
Brookneal	28		19	4		2
Buchanan						
Burkeville	2					
Cape Charles	10		3	1		1
Capron	1					
Cedar Bluff	35		37	2		4
Charlotte Courthouse	1					
Chase City	38		17	3		1
Chatham	1	3	1			
Cheriton	4		4	1		1
Chilhowie	25		10	1		
Chincoteague	27		16	3		2
Christiansburg	305		165	20		13
Claremont	1					
Clarksville	32		9	2		
Cleveland						
Clifton	1					
Clinchport	1		1			
Clintwood	20		16	1		
Clover	3		1			
Coeburn	78		32	7		7
Colonial Beach	28		6	3		
Columbia						
Courtland	3		2	1		1
Craigsville	3			1		
Crewe	34		17	7		6

Jurisdiction	Total			Alcohol-Related		
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries
Towns						
Culpeper	206		102	21		14
Damascus	8		11	3		4
Dayton	14		8	1		2
Dendron	3		2			
Dillwyn	2		2			
Drakes Branch	4		1	2		
Dublin	38		12			
Duffield	3		3			
Dumfries	85		48	6		4
Dungannon	3		3	1		1
Eastville	3		5			
Edinburg	5		1			
Elkton	26		18	5		9
Exmore	14	1	11	3		2
Farmville	92		44	8		7
Fincastle	2					
Floyd	9		2	1		
Fries	4		1	1		
Front Royal	295		105	35		21
Gate City	43		15	4		
Glade Spring	2		3			
Glasgow	1					
Glen Lyn	1					
Gordonsville	19		21	3		4
Goshen						
Gretna	21		7	6		1
Grottoes	24	1	15	2		
Grundy	60		38	3		
Halifax	11		2			
Hallwood	1					
Hamilton	2					
Haymarket	5		1	2		1
Haysi	9		6	2		1
Herndon	299		77	21		10
Hillsboro						
Hillsville	34		15	3		6
Honaker	9		7	1		3
Hurt	15		13	2		6
Independence	16		13			
Iron Gate	1					
Irvington	1					
Ivor	1					
Jarratt	4		3			
Jonesville	10		2	1		1
Keller	3		1			
Kenbridge	12		6	2		1
Keysville	2			1		
Kilmarnock	25		15	1		
La Crosse	4		2			
Lawrenceville	12		3	3		1
Lebanon	43		45	4		6
Leesburg	263	1	142	31		20
Louisa	16		2	3		
Lovettsville	1			1		
Luray	98		46	5		1
Madison	1		1			
Marion	175		118	16		12
McKenney	4		4	1		
Melfa	3		6			
Middleburg	14		4	2		2
Middletown	1		2			
Mineral	6		2	1		
Monterey	2		1			

Jurisdiction	Total			Alcohol-Related		
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries
Towns						
Montross	6		3			
Mount Crawford						
Mount Jackson	9		10	1		1
Narrows	15		2	4		1
Nassowadox	11		10	2		4
New Castle	4		2			
New Market	18		4	1		1
Newsoms						
Nickelsville	2		3			
Occoquan	5		1			
Onancock	7		7			
Onley	13		8	1		2
Orange	63		14	7		6
Painter	4		1			
Pamplin City	2			1		
Parksley	5		2			
Pearisburg	19		9	2		
Pembroke	17		13	3		1
Pennington Gap	37		28	3		3
Phenix	4		3			
Pocahontas	2					
Port Royal	1					
Pound	17		16	2		1
Pulaski	162	1	113	25		23
Purcellville	18		13			
Quantico	2					
Remington	7		3	2		1
Rich Creek	7		5	1		
Richlands	120	2	52	10	2	7
Ridgeway	5		4	1		3
Rocky Mount	114		50	11		3
Round Hill						
Rural Retreat	2		1			
Saint Charles						
Saint Paul	23	1	28	5		3
Saltville	36	1	22	6		4
Saxis						
Scottsburg	2					
Scottsville	2			1		
Shenandoah	10		6	3		3
Smithfield	56		26	10		1
South Hill	86		41	13		6
Stanardsville						
Stanley	9		3	2		
Stephens City	7		3	2		2
Stony Creek	7		2	2		
Strasburg	45		24	5		3
Stuart	14	1	9			
Surry						
Tangier						
Tappahannock	72		34	2		1
Tazewell	81		51	11		14
The Plains	2					
Timberville	9		6			
Toms Brook	2		1	1		1
Troutdale						
Troutville	4		1			
Urbanna	3		5			
Victoria	12		12	4		5
Vienna	257	1	91	17		12
Vinton	133		63	10		8
Virgilina						
Wachapreague	1		2			

Jurisdiction	Total			Alcohol-Related		
	Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries
Towns						
Wakefield	13		11	3		2
Warrenton	196		87	8		4
Warsaw	31		16	3		2
Washington						
Waverly	21		15	5		3
Weber City	39		40	1		4
West Point	42		25	3		2
White Stone	4					
Windsor	8		9	3		
Wise	99		27	9		5
Woodstock	61	1	32	5		3
Wytheville	176	4	69	17	1	11
Total	**6,284**	**23**	**3,045**	**642**	**5**	**405**

NOTE: Figures for incorporated towns are included in the counties.

Virginia Driving Trends

Summary: 1981-1990

	Death Rate*	Vehicles Registered	Gasoline Consumption**	Vehicular Mileage***	Total			Alcohol-Related****		
					Crashes	Fatalities	Injuries	Crashes	Fatalities	Injuries
Year										
1981	2.80	3,823,055	2,924.4	36,348	117,981	1,012	59,788	23,072	393	16,457
1982	2.24	3,856,872	2,784.2	39,396	112,474	881	59,657	21,157	330	15,836
1983	2.20	3,925,593	2,861.4	41,920	113,672	900	63,284	19,694	336	15,131
1984	2.30	4,099,966	3,013.7	44,904	123,356	1,014	69,306	19,371	359	15,125
1985	2.10	4,292,749	3,123.0	47,928	133,326	980	74,585	19,381	479	14,880
1986	2.20	4,514,377	3,245.0	51,725	140,544	1,118	79,188	19,944	492	15,838
1987	1.90	4,660,657	3,445.9	54,834	145,473	1,022	80,114	18,878	418	15,014
1988	1.88	4,752,331	3,510.0	57,453	144,319	1,069	77,735	18,084	522	14,172
1989	1.72	4,887,607	3,526.9	59,337	143,155	999	79,310	17,051	480	13,341
1990	1.82	4,985,438	3,515.9	58,891	134,505	1,071	76,436	17,337	535	14,070

*Per 100 million miles with 1990 estimated.
**In millions with 1990 estimated.
***In millions with 1990 mileage estimated.
****Determined using medical examiner data in addition to police reports beginning in 1985.

Deaths on Major Holidays

	Memorial Day	No. Days	4th of July	No. Days	Labor Day	No. Days	Thanks-giving	No. Days	Christmas	No. Days	New Years*	No. Days
Year												
1981	18	3	12	3	7	3	12	4	9	3	7	3
1982	13	3	7	3	11	3	6	4	9	3	8	3
1983	10	3	10	4	10	4	15	4	7	3	7	3
1984	7	3	4	1	16	3	16	4	20	4	9	4
1985	9	3	10	4	9	3	11	4	6	2	2	2
1986	11	3	24	3	23	3	15	4	11	4	20	4
1987	13	3	11	3	13	3	17	4	9	4	12	4
1988	16	3	15	3	18	3	7	4	9	3	10	3
1989	16	3	27	4	15	3	6	4	10	3	10	3
1990	13	3	3	1	13	3	11	4	15	4	12	4

NOTE: Deaths are for these days indicated plus the last six hours of the preceding day.
*1986-90 New Years total is not comparable to previous year's data due to changes in counting procedure.

Leading Causes of Death: 1989

Virginia		United States**	
Heart Disease	15,756	Heart Disease	765,156
Cancer	11,252	Cancer	485,048
Cerebrovascular Diseases	3,309	Cerebrovascular Diseases	150,517
Chronic Obstructive Pulmonary Diseases	1,685	Chronic Obstructive Pulmonary Diseases	82,853
Pneumonia & Influenza	1,555	Pneumonia & Influenza	77,662
Motor Vehicle Accidents*	1,018	Motor Vehicle Accidents	49,078
Suicide	814	Diabetes Mellitus	40,366
Diabetes Mellitus	788	Suicide	30,407
Septicemia (blood disease)	593	Chronic Liver Disease and Cirrhosis	26,409
Perinatal Period Conditions	527	Nephrosis (Kidney)	22,392

*Includes Virginians killed in traffic accidents outside the state. (Source: Virginia Department of Health, Virginia Center for Health Statistics.)
**These are the most recent statistics available. (Source: National Center for Health Statistics.)

Monthly Crashes/Fatalities/Injuries

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1981												
Crashes	7,676	10,235	8,138	8,664	9,520	9,071	10,026	11,048	8,613	9,772	9,185	16,033
Fatalities	68	79	59	82	87	96	88	99	97	74	97	86
Injuries	3,546	4,888	4,043	4,644	5,085	4,856	5,403	5,876	4,581	4,988	4,505	7,373
1982												
Crashes	10,289	8,330	8,511	9,240	10,107	9,595	9,441	8,787	8,375	9,836	9,139	10,824
Fatalities	52	47	51	82	86	79	84	64	68	105	69	94
Injuries	4,021	3,967	4,267	4,806	5,678	5,209	5,597	5,201	4,883	5,485	4,830	5,713
1983												
Crashes	7,923	7,886	8,410	9,553	9,887	9,292	9,097	9,366	9,727	10,982	10,157	11,392
Fatalities	59	50	53	72	79	79	67	84	93	113	76	75
Injuries	4,061	3,795	4,455	5,278	5,846	5,537	5,550	5,601	5,794	6,024	5,346	5,997
1984												
Crashes	9,812	8,467	8,883	9,362	10,940	10,436	10,769	10,931	10,660	10,747	11,207	11,142
Fatalities	68	75	58	75	81	93	90	76	96	110	103	89
Injuries	4,799	4,537	4,874	5,185	6,347	6,133	6,556	6,567	6,081	6,266	5,924	6,037
1985												
Crashes	10,616	8,906	10,038	9,933	11,566	11,783	11,325	11,434	10,414	12,274	12,764	12,273
Fatalities	69	57	78	81	74	95	72	83	92	104	101	74
Injuries	4,992	4,484	5,511	5,717	6,819	6,770	6,882	6,934	6,165	7,042	6,499	6,770
1986												
Crashes	10,648	9,848	10,251	10,819	11,982	11,445	11,952	13,212	10,979	13,019	13,484	12,905
Fatalities	69	62	62	69	106	115	115	115	110	108	100	87
Injuries	5,533	4,935	5,883	6,224	7,069	6,863	7,397	8,025	6,415	7,175	6,974	6,695
1987												
Crashes	10,766	10,002	10,517	12,278	12,154	12,534	11,952	12,040	12,311	13,725	13,891	13,303
Fatalities	62	57	68	86	98	81	96	108	91	112	85	78
Injuries	5,161	5,069	5,689	6,825	7,260	7,232	6,997	7,226	7,150	7,478	7,225	6,802
1988												
Crashes	12,139	10,011	11,688	11,949	13,379	12,123	11,782	11,802	11,599	13,297	12,418	12,132
Fatalities	59	56	73	88	103	92	109	96	110	102	93	88
Injuries	5,465	4,822	5,950	6,347	7,096	6,573	7,099	7,034	6,857	7,574	6,575	6,343
1989												
Crashes	10,614	10,542	11,632	11,130	12,094	12,426	11,322	11,816	11,938	13,466	12,930	13,245
Fatalities	67	51	88	83	80	82	90	80	109	112	77	80
Injuries	5,711	5,224	6,159	6,459	6,945	7,435	6,872	6,945	6,876	7,502	6,653	6,529
1990												
Crashes	10,646	9,624	11,111	10,816	12,285	11,384	11,502	11,489	10,457	12,226	11,315	11,649
Fatalities	89	69	83	82	104	107	110	102	78	89	81	77
Injuries	5,752	5,346	6,212	6,117	6,734	6,944	7,127	6,927	6,493	6,702	5,826	6,256

Estimated Economic Cost: 1985–1989

	1985	1986	1987	1988	1989
Fatalities	235.2	268.3	288.6	289.7	289.7
Injuries	686.2	855.2	963.9	1,039.0	1,118.3
Property Damage Crashes	97.8	137.5	135.6	150.5	265.5
Total Virginia Cost*	1,020	1,260	1,388	1,479.2	**1,673.5**
Total U.S. Cost	107,300	118,000	133,200	143,400	**145,500**

*Rounded to nearest five millions.

NOTE: Costs are in millions. U.S. costs are based on the National Safety Council's annual cost estimates.

Virginia Crashes

In 1990 there were:

- 1,071 persons killed
- 76,436 persons injured
- 134,505 crashes
  - 948 fatal crashes
  - 51,754 personal injury crashes
  - 81,803 property damage crashes

NOTE: This includes drivers and passengers of all motor vehicles and not fully motorized vehicles as well as pedestrians.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	7,475	3.2
Improper Passing	2,157	0.9
Left of Center — Not Passing	3,418	1.4
Failure to Yield	26,164	11.1
Inattention	27,267	11.6
Speed too Fast	13,811	5.9
Improper Turn	4,450	1.9
Improper Lane Change	2,097	0.9
Following too Close	15,040	6.4
Improper Backing	1,445	0.6
Illegal or Improper Parking	496	0.2
Lights Not On	157	0.1
Hit and Run	6,121	2.6
Avoiding Pedestrian	238	0.1
Avoiding Other Vehicle	4,660	2.0
No Violation	102,445	43.4
Other	18,356	7.8
Total	**235,797**	**100.0**
Not Stated	**6,759**	
Grand Total	**242,556**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	213,991	92.5
Drinking—Impaired	10,074	4.4
Drinking—Not Impaired	3,217	1.4
Drinking—Impairment Unknown	4,038	1.7
Total	**231,320**	**100.0**
Not Stated	**11,236**	
Grand Total	**242,556**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	224,868	97.3
Physical Defect	1,393	0.6
Ill	492	0.2
Fatigued	806	0.3
Apparently Asleep	2,442	1.1
Other	1,116	0.5
Total	**231,117**	**100.0**
Not Stated	**11,439**	
Grand Total	**242,556**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	460	118	26	604	79.6
15	237	137	7	381	63.4
16	3,842	2,929	6	6,777	56.7
17	4,542	3,139	6	7,687	59.1
18	5,164	3,218	1	8,383	61.6
19	5,912	3,441	5	9,358	63.2
20	5,575	3,106	4	8,685	64.2
21–25	24,368	14,420	11	38,799	62.8
26–30	21,398	12,924	11	34,333	62.3
31–35	17,044	11,070	9	28,123	60.6
36–40	13,347	8,843	12	22,202	60.1
41–45	10,892	7,337	3	18,232	59.8
46–50	7,876	5,005	3	12,884	61.1
51–55	5,990	3,556	1	9,547	62.7
56–60	5,049	2,830	2	7,881	64.1
61–65	4,267	2,451	2	6,720	63.5
66–70	3,434	2,154	1	5,589	61.5
Over 70	4,924	3,000	4	7,928	62.1
Unknown	245	46	8,152	8,443	
Total	**144,566**	**89,724**	**8,266**	**242,556**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	120,337	50.1
Turning Right	8,393	3.5
Turning Left	28,298	11.8
Making U-Turn	1,211	0.5
Slowing-Stopping	14,345	6.0
Ran Off Road	21,528	9.0
Stopped in Traffic	26,200	10.9
Backing	2,622	1.1
Passing	2,375	1.0
Changing Lanes	6,842	2.9
Other	7,884	3.3
Total	240,035	100.0
Not Stated	2,521	
Grand Total	242,556	

	Vehicles	Percent
Vehicle Defect		
No Defect	227,306	97.7
Lights	421	0.2
Brakes	1,735	0.7
Steering	422	0.2
Tires	1,512	0.6
Motor	443	0.2
Other	917	0.4
Total	232,756	100.0
Not Stated	9,800	
Grand Total	242,556	

The Environment

	Crashes	Percent
Weather		
Clear	84,032	62.7
Cloudy	24,778	18.5
Fog	1,272	0.9
Mist	3,772	2.8
Rain	18,742	14.0
Snow	1,070	0.8
Sleet	320	0.2
Smoke/Dust	11	
Other	73	0.1
Total	134,070	100.0
Not Stated	435	
Grand Total	134,505	

	Crashes	Percent
Light		
Dawn	3,046	2.3
Daylight	86,512	64.6
Dusk	3,890	2.9
Darkness (road lighted)	19,165	14.3
Darkness (road unlighted)	21,409	16.0
Total	134,022	100.0
Not Stated	483	
Grand Total	134,505	

	Crashes	Percent
Traffic Controls		
No Controls	27,940	20.9
Traffic Signals	23,301	17.5
Stop Sign	14,365	10.8
Slow/Warning Sign	1,247	0.9
Yield Sign	1,798	1.3
No Passing Zone	10,324	7.7
R.R. Warning Sign	75	0.1
R.R. Signals	44	
R.R. Gate and Signals	52	
Other	54,322	40.7
Total	133,468	100.0
Not Stated	1,037	
Grand Total	134,505	

Virginia Fatalities

In 1990 there were:

- 1,071 persons killed in 948 fatal crashes

NOTE: This includes drivers and passengers of all motor vehicles and not fully motorized vehicles as well as pedestrians.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	31	2.2
Improper Passing	16	1.1
Left of Center — Not Passing	101	7.1
Failure to Yield	86	6.1
Inattention	187	13.2
Speed too Fast	280	19.8
Improper Turn	9	0.6
Improper Lane Change	6	0.4
Following too Close		
Improper Backing	1	0.1
Illegal or Improper Parking	4	0.3
Lights Not On	1	0.1
Hit and Run	26	1.8
Avoiding Pedestrian	10	0.7
Avoiding Other Vehicle	33	2.3
No Violation	492	34.8
Other	130	9.2
Total	1,413	100.0
Not Stated	28	
Grand Total	1,441	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	873	71.0
Drinking—Impaired	185	15.0
Drinking—Not Impaired	21	1.7
Drinking—Impairment Unknown	151	12.3
Total	1,230	100.0
Not Stated	211	
Grand Total	1,441	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	1,090	90.9
Physical Defect	14	1.2
Ill	12	1.0
Fatigued	10	0.8
Apparently Asleep	64	5.3
Other	9	0.8
Total	1,199	100.0
Not Stated	242	
Grand Total	1,441	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	5			5	100.0
15	4	2		6	66.7
16	24	11		35	68.6
17	35	7		42	83.3
18	36	16		52	69.2
19	42	10		52	80.8
20	36	10		46	78.3
21–25	157	49		206	76.2
26–30	154	47		201	76.6
31–35	134	48		182	73.6
36–40	108	35		143	75.5
41–45	82	28		110	74.5
46–50	54	14		68	79.4
51–55	41	13		54	75.9
56–60	39	12		51	76.5
61–65	37	10		47	78.7
66–70	19	16		35	54.3
Over 70	47	26		73	64.4
Unknown	1		32	33	
Total	1,055	354	32	1,441	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	744	51.8
Turning Right	5	0.3
Turning Left	70	4.9
Making U-Turn	2	0.1
Slowing-Stopping	26	1.8
Ran Off Road	425	29.6
Stopped in Traffic	45	3.1
Backing	5	0.3
Passing	25	1.7
Changing Lanes	34	2.4
Other	54	3.8
Total	1,435	100.0
Not Stated	6	
Grand Total	1,441	

	Vehicles	Percent
Vehicle Defect		
No Defect	1,292	96.8
Lights	2	0.1
Brakes	7	0.5
Steering	3	0.2
Tires	25	1.9
Motor	1	0.1
Other	5	0.4
Total	1,335	100.0
Not Stated	106	
Grand Total	1,441	

The Environment

	Crashes	Percent
Weather		
Clear	592	62.5
Cloudy	219	23.1
Fog	18	1.9
Mist	24	2.5
Rain	88	9.3
Snow	3	0.3
Sleet	2	0.2
Smoke/Dust		
Other	1	0.1
Total	947	100.0
Not Stated	1	
Grand Total	948	

	Crashes	Percent
Light		
Dawn	22	2.3
Daylight	424	44.8
Dusk	19	2.0
Darkness (road lighted)	127	13.4
Darkness (road unlighted)	355	37.5
Total	947	100.0
Not Stated	1	
Grand Total	948	

	Crashes	Percent
Traffic Controls		
No Controls	160	16.9
Traffic Signals	43	4.6
Stop Sign	61	6.5
Slow/Warning Sign	11	1.2
Yield Sign		
No Passing Zone	186	19.7
R.R. Warning Sign	3	0.3
R.R. Signals	1	0.1
R.R. Gate and Signals		
Other	480	50.8
Total	945	100.0
Not Stated	3	
Grand Total	948	

Virginia Crashes Involving **Alcohol**

In 1990 there were:

- 535 persons killed in alcohol-related crashes or 50.0 percent of all traffic fatalities
- 14,070 persons injured in alcohol-related crashes or 18.4 percent of all traffic injuries
- 17,337 alcohol-related crashes or 12.9 percent of all crashes
  - 475 alcohol-related fatal crashes or 50.1 percent of all fatal crashes
  - 9,183 alcohol-related personal injury crashes or 17.7 percent of all personal injury crashes
  - 7,679 alcohol-related property damage crashes or 9.4 percent of all property damage crashes

Alcohol Involvement in Fatalities and Injuries

	Fatalities	Percent of Total	Injuries	Percent of Total
All Drivers*	663		49,483	
Drinking Drivers	214	32.3	6,600	13.3
All Pedestrians*	116		2,220	
Drinking Pedestrians	36	31.0	398	17.9

NOTE: Drivers and pedestrians in alcohol-related fatal crashes are determined using available medical examiners data as well as the police report. The term "alcohol-related" does not imply that drinking was the direct cause of the traffic crash.

* This includes the category of all drivers and all pedestrians killed or injured in crashes (alcohol-related or non-alcohol-related).

The Drinking Driver

	Drivers	Percent
Drinking Driver Action		
Ran Traffic Control	644	3.8
Improper Passing	187	1.1
Left of Center—Not Passing	607	3.5
Failure to Yield	880	5.1
Inattention	3,883	22.6
Speed too Fast	3,414	19.9
Improper Turn	253	1.5
Improper Lane Change	97	0.6
Following too Close	478	2.8
Improper Backing	84	0.5
Illegal or Improper Parking	33	0.2
Lights Not On	17	0.1
Hit and Run	995	5.8
Avoiding Pedestrian	9	0.1
Avoiding Other Vehicle	324	1.9
No Violation	1,356	7.9
Other	3,698	22.7
Total	**17,159**	**100.0**
Not Stated	170	
Grand Total	17,329	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired		
Drinking-Impaired	10,074	58.1
Drinking-Not Impaired	3,217	18.6
Drinking-Impairment Unknown	4,038	23.3
Total	**17,329**	**100.0**
Not Stated		
Grand Total	17,329	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	14,711	88.4
Physical Defect	280	1.7
Ill	47	0.3
Fatigued	327	2.0
Apparently Asleep	689	4.1
Other	590	3.5
Total	**16,644**	**100.0**
Not Stated	685	
Grand Total	17,329	

Age	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	6	4		10	60.0
15	14	3		17	82.4
16	125	35		160	78.1
17	273	49		322	84.8
18	490	97		587	83.5
19	724	111		835	86.7
20	689	97	1	787	87.7
21–25	3,537	601		4,138	85.5
26–30	2,870	580	1	3,451	83.2
31–35	2,053	432	2	2,487	82.6
36–40	1,309	239		1,548	84.6
41–45	837	165		1,002	83.5
46–50	515	97	1	613	84.2
51–55	342	61		403	84.9
56–60	262	41		303	86.5
61–65	184	30		214	86.0
66–70	134	6		140	95.7
Over 70	92	15		107	86.0
Unknown	27	2	176	205	
Total	14,483	2,665	181	17,329	

The Drinking Pedestrian

	Pedestrians	Percent
Drinking Pedestrian Action		
Crossing Against Signal	26	6.2
Crossing Not at Crosswalk	133	31.7
Crossing With Signal	11	2.6
Walking With Traffic	35	8.4
Walking Against Traffic	22	5.3
Came Onto Road Between Parked Cars	8	1.9
	1	0.2
Getting On or Off Vehicle	2	0.5
Working On Road	44	10.5
Standing or Lying On Road	137	32.7
Total	419	100.0
Not Stated	15	
Total	434	

Drinking	Pedestrians	Percent
Pedestrian Condition		
Not Impaired		
Drinking-Impaired	226	52.1
Drinking-Not Impaired	27	6.2
Drinking-Impairment Unknown	181	41.7
Total	434	100.0
Not Stated		
Total	434	

Physical	Pedestrians	Percent
Pedestrian Condition		
Not Impaired	307	82.7
Physical Defect	11	3.0
Ill	3	0.8
Fatigued	20	5.4
Apparently Asleep	3	0.8
Other	27	7.3
Total	371	100.0
Not Stated	63	
Grand Total	434	

Age	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	2			2	100.0
15	1	1		2	50.0
16	4			4	100.0
17	1	1		2	50.0
18	6	3		9	66.7
19	11	5		16	68.8
20	7	2		9	77.8
21–25	59	19		78	75.6
26–30	65	14		79	82.3
31–35	54	9		63	85.7
36–40	39	10		49	79.6
41–45	33	4		37	89.2
46–50	24	4		28	85.7
51–55	14	1		15	93.3
56–60	18	1		19	94.7
61–65	7	2		9	77.8
66–70	1			1	100.0
Over 70	3	1		4	75.0
Unknown	5	3		8	
Total	354	80		434	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	7,746	44.9
Turning Right	474	2.7
Turning Left	1,267	7.3
Making U-Turn	91	0.5
Slowing-Stopping	342	2.0
Ran Off Road	5,921	34.3
Stopped in Traffic	237	1.4
Backing	175	1.0
Passing	205	1.2
Changing Lanes	367	2.1
Other	445	2.6
Total	17,270	100.0
Not Stated	59	
Grand Total	17,329	

	Vehicles	Percent
Vehicle Defect		
No Defect	16,247	96.3
Lights	60	0.4
Brakes	152	0.9
Steering	60	0.4
Tires	231	1.4
Motor	27	0.2
Other	102	0.6
Total	16,879	100.0
Not Stated	450	
Grand Total	17,329	

	Crashes	Percent
Light		
Dawn	190	1.1
Daylight	3,841	22.2
Dusk	522	3.0
Darkness (road lighted)	5,954	34.4
Darkness (road unlighted)	6,790	39.3
Total	17,297	100.0
Not Stated	40	
Grand Total	17,337	

The Environment

	Crashes	Percent
Weather		
Clear	10,962	63.4
Cloudy	3,421	19.8
Fog	242	1.4
Mist	579	3.3
Rain	2,017	11.7
Snow	62	0.4
Sleet	12	0.1
Smoke/Dust		
Other	8	
Total	17,303	100.0
Not Stated	34	
Grand Total	17,337	

	Crashes	Percent
Traffic Controls		
No Controls	4,908	28.5
Traffic Signals	2,253	13.1
Stop Sign	1,077	6.3
Slow/Warning Sign	267	1.6
Yield Sign	77	0.4
No Passing Zone	1,931	11.2
R.R. Warning Sign	14	0.1
R.R. Signals	7	
R.R. Gate and Signals	12	0.1
Other	6,663	38.7
Total	17,209	100.0
Not Stated	128	
Grand Total	17,337	

Driver Condition: Drinking by Crash Type and Age

Fatal Crashes	Not Drinking	Obviously Drunk	Ability Impaired	Not Impaired	Impairment Unknown	Not Stated	Total Drivers
Age							
Under 15	4					1	5
15	5					1	6
16	27	1		1	1	5	35
17	29	4	5		1	3	42
18	28	3	5		5	11	52
19	25	7	3		9	8	52
20	28	3	4	1	7	3	46
21–25	106	24	11	6	28	31	206
26–30	93	25	13	4	42	24	201
31–35	110	21	4	2	22	23	182
36–40	83	10	8		13	29	143
41–45	76	8	7	2	5	12	110
46–50	46	4	1	2	6	9	68
51–55	43	5	1		1	4	54
56–60	36	2		1	4	8	51
61–65	36	4	1	1	1	4	47
66–70	28		1	1	2	3	35
Over 70	65				1	7	73
Unknown	5				3	25	33
Total Drivers	873	121	64	21	151	211	1,441

Personal Injury Crashes	Not Drinking	Obviously Drunk	Ability Impaired	Not Impaired	Impairment Unknown	Not Stated	Total Drivers
Age							
Under 15	453	3	1	2	2	61	522
15	155	3	4	1	3	11	177
16	2,397	21	21	14	28	48	2,529
17	2,758	49	41	31	59	39	2,977
18	2,961	99	85	46	86	54	3,331
19	3,157	122	103	74	150	67	3,673
20	2,957	115	79	81	153	48	3,433
21–25	12,682	667	532	402	598	282	15,163
26–30	11,423	685	406	268	437	237	13,456
31–35	9,453	547	244	200	349	174	10,967
36–40	7,621	345	166	118	172	112	8,534
41–45	6,320	217	114	75	117	78	6,922
46–50	4,402	124	56	31	73	64	4,750
51–55	3,358	106	46	31	32	52	3,625
56–60	2,797	56	36	25	39	44	2,997
61–65	2,420	40	25	10	23	34	2,552
66–70	1,972	24	19	9	17	34	2,075
Over 70	2,903	15	11	11	16	32	2,988
Unknown	267	20	14	4	49	2,243	2,597
Total Drivers	80,456	3,258	2,003	1,434	2,403	3,714	**93,268**

Property Damage Crashes	Not Drinking	Obviously Drunk	Ability Impaired	Not Impaired	Impairment Unknown	Not Stated	Total Drivers
Age							
Under 15	63			1	1	12	77
15	177	1	2	2	1	15	198
16	4,110	21	18	13	21	30	4,213
17	4,471	39	43	21	29	65	4,668
18	4,661	57	69	72	60	81	5,000
19	5,177	107	88	87	85	89	5,633
20	4,779	111	67	99	67	83	5,206
21–25	21,194	619	413	467	371	366	23,430
26–30	18,820	614	310	338	309	285	20,676
31–35	15,651	466	229	246	157	225	16,974
36–40	12,648	290	156	146	124	161	13,525
41–45	10,612	185	103	98	70	132	11,200
46–50	7,653	148	70	55	43	97	8,066
51–55	5,636	83	40	31	27	51	5,868
56–60	4,646	65	30	22	23	47	4,833
61–65	3,972	47	18	30	14	40	4,121
66–70	3,371	31	16	15	5	41	3,479
Over 70	4,757	20	8	11	14	57	4,867
Unknown	264	27	17	8	63	5,434	5,813
Total Drivers	132,662	2,931	1,697	1,762	1,484	7,311	**147,847**

All Crashes	Not Drinking	Obviously Drunk	Ability Impaired	Not Impaired	Impairment Unknown	Not Stated	Total Drivers
Age							
Under 15	520	3	1	3	3	74	604
15	337	4	6	3	4	27	381
16	6,534	43	39	28	50	83	6,777
17	7,258	92	89	52	89	107	7,687
18	7,650	159	159	118	151	146	8,383
19	8,359	236	194	161	244	164	9,358
20	7,764	229	150	181	227	134	8,685
21–25	33,982	1,310	956	875	997	679	38,799
26–30	30,336	1,324	729	610	788	546	34,333
31–35	25,214	1,034	477	448	528	422	28,123
36–40	20,352	645	330	264	309	302	22,202
41–45	17,008	410	224	176	192	222	18,232
46–50	12,101	276	127	88	122	170	12,884
51–55	9,037	194	87	62	60	107	9,547
56–60	7,479	123	66	48	66	99	7,881
61–65	6,428	91	44	41	38	78	6,720
66–70	5,371	55	36	25	24	78	5,589
Over 70	7,725	35	19	22	31	96	7,928
Unknown	536	47	31	12	115	7,702	8,443
Total Drivers	213,991	6,310	3,764	3,217	4,038	11,236	242,556

Age and Sex of Persons Killed

	All Persons Killed				Pedestrians Killed				Bicyclists Killed				Motorcyclists Killed			
Age	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated
Under 15	22	13	9		1	1										
15	6	4	2													
16	6	4	2		1	1										
17	8	6	2													
18	22	15	7		1	1							1	1		
19	22	17	5		2	1	1									
20	26	22	4		1	1							2	2		
21–25	93	73	20		6	4	2		1	1			11	10	1	
26–30	100	81	19		8	5	3		2	2			6	6		
31–35	61	43	18		7	5	2						6	6		
36–40	52	35	17		7	3	4		2	2			4	4		
41–45	31	22	9		9	7	2						1	1		
46–50	19	15	4		2	2										
51–55	21	17	4		4	3	1		1	1						
56–60	15	11	4		5	5			1	1						
61–65	15	12	3		3	2	1									
66–70	6	5	1		1		1									
Over 70	7	4	3		3	2	1									
Unknown	3	2		1					2	1		1				
Total	535	401	133	1	61	43	18		9	8		1	31	30	1	

Age and Sex of Persons Injured

	All Persons Injured				Pedestrians Injured				Bicyclists Injured				Motorcyclists Injured			
Age	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated	Total	Male	Female	Not Stated
Under 15	612	305	304	3	20	13	7		8	7		1	3	3		
15	144	75	69		4	2	2						1	1		
16	264	154	110		8	8							2		2	
17	406	272	134		8	4	4		1	1			5	4	1	
18	596	397	199		16	9	7		1	1			12	12		
19	796	579	217		21	12	9		1	1			16	15	1	
20	703	504	198	1	17	11	6		2	1		1	33	32	1	
21–25	3,027	2,286	741		87	65	22		21	20	1		80	73	7	
26–30	2,442	1,760	680	2	91	74	17		20	19		1	89	77	12	
31–35	1,662	1,198	462	2	69	55	14		16	14		2	64	57	7	
36–40	1,072	754	316	2	52	40	12		10	9		1	32	31	1	
41–45	763	526	237		34	28	6		7	7			10	8	2	
46–50	435	294	141		31	25	6		2	1	1		4	3	1	
51–55	312	218	94		17	16	1		1	1			1	1		
56–60	245	168	77		20	16	4		2	2			2	2		
61–65	162	98	64		7	5	2		1	1						
66–70	105	67	37	1	1	1			1	1						
Over 70	112	64	48		7	4	3									
Unknown	212	122	63	27	8	5	3		9			9	4	3	1	
Total	**14,070**	**9,841**	**4,191**	**38**	**518**	**393**	**125**		**103**	**86**	**2**	**15**	**358**	**322**	**36**	

Virginia Crashes Involving **Automobiles**

In 1990 there were:

- 672 automobile occupants killed or 62.7 percent of all traffic fatalities
- 57,040 automobile occupants injured or 74.6 percent of all traffic injuries
- 115,313 automobile crashes or 85.7 percent of all crashes
  - 706 fatal crashes or 74.5 percent of all fatal crashes
  - 44,130 personal injury crashes or 85.3 percent of all personal injury crashes
  - 70,477 property damage crashes or 86.2 percent of all property damage crashes
- 3,424,233 automobiles were registered in Virginia with 3.4 percent involved in crashes

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	5,897	3.4
Improper Passing	1,460	0.8
Left of Center — Not Passing	1,984	1.2
Failure to Yield	20,855	12.1
Inattention	19,707	11.5
Speed too Fast	10,105	5.9
Improper Turn	2,979	1.7
Improper Lane Change	1,133	0.7
Following too Close	11,126	6.5
Improper Backing	623	0.4
Illegal or Improper Parking	369	0.2
Lights Not On	90	0.1
Hit and Run	2,595	1.5
Avoiding Pedestrian	184	0.1
Avoiding Other Vehicle	3,262	1.9
No Violation	76,381	44.4
Other	13,142	7.6
Total	171,892	100.0
Not Stated	4,410	
Grand Total	176,302	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	159,522	92.8
Drinking—Impaired	7,194	4.2
Drinking—Not Impaired	2,366	1.4
Drinking—Impairment Unknown	2,800	1.6
Total	171,882	100.0
Not Stated	4,420	
Grand Total	176,302	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	167,041	97.3
Physical Defect	1,052	0.6
Ill	378	0.2
Fatigued	616	0.4
Apparently Asleep	1,768	1.0
Other	829	0.5
Total	171,684	100.0
Not Stated	4,618	
Grand Total	176,302	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	78	33	1	112	70.3
15	151	110		261	57.9
16	3,016	2,707	1	5,724	52.7
17	3,606	2,900		6,506	55.4
18	3,926	2,945		6,871	57.1
19	4,388	3,176	2	7,566	58.0
20	4,071	2,844		6,915	58.9
21–25	16,670	13,109		29,779	56.0
26–30	13,302	11,335	3	24,640	54.0
31–35	10,035	9,514	1	19,550	51.3
36–40	7,791	7,605	2	15,398	50.6
41–45	6,431	6,437	2	12,870	50.0
46–50	4,572	4,473	2	9,047	50.5
51–55	3,528	3,205		6,733	52.4
56–60	3,017	2,597		5,614	53.7
61–65	2,783	2,295	1	5,079	54.8
66–70	2,428	2,042		4,470	54.3
Over 70	3,928	2,930	3	6,861	57.3
Unknown	140	35	2,131	2,306	
Total	93,861	80,292	2,149	176,302	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	88,484	50.4
Turning Right	5,805	3.3
Turning Left	22,177	12.6
Making U-Turn	884	0.5
Slowing-Stopping	10,495	6.0
Ran Off Road	15,358	8.8
Stopped in Traffic	19,743	11.3
Backing	1,227	0.7
Passing	1,517	0.9
Changing Lanes	4,267	2.4
Other	5,519	3.1
Total	**175,476**	**100.0**
Not Stated	**826**	
Grand Total	**176,302**	

	Vehicles	Percent
Vehicle Defect		
No Defect	169,398	98.0
Lights	217	0.1
Brakes	1,054	0.6
Steering	273	0.2
Tires	1,025	0.6
Motor	324	0.2
Other	536	0.3
Total	**172,827**	**100.0**
Not Stated	**3,475**	
Grand Total	**176,302**	

The Environment

	Crashes	Percent
Weather		
Clear	71,970	62.5
Cloudy	21,270	18.5
Fog	1,000	0.9
Mist	3,275	2.8
Rain	16,362	14.2
Snow	863	0.8
Sleet	265	0.2
Smoke/Dust	9	
Other	52	
Total	**115,066**	**100.0**
Not Stated	**247**	
Grand Total	**115,313**	

	Crashes	Percent
Light		
Dawn	2,514	2.2
Daylight	76,167	66.2
Dusk	3,438	3.0
Darkness (road lighted)	16,414	14.3
Darkness (road unlighted)	16,516	14.4
Total	**115,049**	**100.0**
Not Stated	**264**	
Grand Total	**115,313**	

	Crashes	Percent
Traffic Controls		
No Controls	21,441	18.7
Traffic Signals	21,813	19.0
Stop Sign	13,290	11.6
Slow/Warning Sign	948	0.8
Yield Sign	1,692	1.5
No Passing Zone	8,170	7.1
R.R. Warning Sign	47	
R.R. Signals	30	
R.R. Gate and Signals	34	
Other	47,047	41.1
Total	**114,512**	**100.0**
Not Stated	**801**	
Grand Total	**115,313**	

Virginia Crashes Involving **Bicycles**

In 1990 there were:

- 20 bicycle riders killed in bicycle-motor vehicle crashes or 1.9 percent of all traffic fatalities
- 1,229 bicycle riders in bicycle-motor vehicle crashes or 1.6 percent of all traffic injuries
- 1,271 bicycle-motor vehicle crashes or 0.9 percent of all crashes
  - 20 fatal crashes or 2.1 percent of all fatal crashes
  - 1,228 personal injury crashes or 2.4 percent of all personal injury crashes
  - 23 property damage crashes or 0.0 percent of all property damage crashes

The Bicyclist

	Drivers	Percent
Driver Action		
Ran Traffic Control	94	8.3
Improper Passing	14	1.2
Left of Center — Not Passing	80	7.1
Failure to Yield	180	16.0
Inattention	145	12.9
Speed too Fast	9	0.8
Improper Turn	35	3.1
Improper Lane Change	18	1.6
Following too Close	4	0.4
Improper Backing		
Illegal or Improper Parking	1	0.1
Lights Not On	22	2.0
Hit and Run	9	0.8
Avoiding Pedestrian	2	0.2
Avoiding Other Vehicle	10	0.9
No Violation	352	31.3
Other	151	13.4
Total	**1,126**	**100.0**
Not Stated	**158**	
Grand Total	**1,284**	

Drinking	Drivers	Percent
Bicyclist Condition		
Not Impaired	1,041	92.8
Drinking—Impaired	37	3.3
Drinking—Not Impaired	12	1.1
Drinking—Impairment Unknown	32	2.9
Total	**1,122**	**100.0**
Not Stated	**162**	
Grand Total	**1,284**	

Physical	Drivers	Percent
Bicyclist Condition		
Not Impaired	1,084	97.2
Physical Defect	12	1.1
Ill	3	0.3
Fatigued	3	0.3
Apparently Asleep		
Other	13	1.2
Total	**1,115**	**100.0**
Not Stated	**169**	
Grand Total	**1,284**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 5	5	1		6	83.3
5–9	105	38	6	149	73.4
10–14	186	31	16	233	85.7
15	34	8	7	49	81.0
16	37	5	5	47	88.1
17	29	6	2	37	82.9
18	28	6	1	35	82.4
19	21	9	3	33	70.0
20	28	7	3	38	80.0
21–25	124	25	9	158	83.2
26–30	110	11	4	125	90.9
31–35	84	8	6	98	91.3
36–40	57	5	5	67	91.9
41–45	34	5	1	40	87.2
46–50	11	3		14	78.6
51–55	9	1		10	90.0
56–60	6	1		7	85.7
61–65	7	1		8	87.5
66–70	7	1		8	87.5
Over 70	8			8	100.0
Unknown	5	1	108	114	
Total	**935**	**173**	**176**	**1,284**	

The Bicycle

	Bicycles	Percent
Bicycle Action		
Going Straight	802	68.2
Turning Right	32	2.7
Turning Left	109	9.3
Making U-Turn	11	0.9
Slowing-Stopping	7	0.6
Ran Off Road	14	1.2
Stopped in Traffic	6	0.5
Backing	1	0.1
Passing	12	1.0
Changing Lanes	40	3.4
Other	142	12.1
Total	1,176	100.0
Not Stated	108	
Grand Total	1,284	

	Bicycles	Percent
Bicycle Defect		
No Defect	1,026	92.9
Lights	21	1.9
Brakes	40	3.6
Steering	3	0.3
Tires	5	0.5
Other	10	0.9
Total	1,105	100.0
Not Stated	179	
Grand Total	1,284	

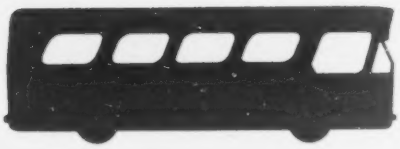
The Environment

	Crashes	Percent
Weather		
Clear	979	77.1
Cloudy	213	16.8
Fog	1	0.1
Mist	17	1.3
Rain	58	4.6
Snow		
Sleet		
Smoke Dust		
Other	1	0.1
Total	1,269	100.0
Not Stated	2	
Grand Total	1,271	

	Crashes	Percent
Light		
Dawn	21	1.7
Daylight	944	74.4
Dusk	59	4.7
Darkness (road lighted)	179	14.1
Darkness (road unlighted)	65	5.1
Total	1,268	100.0
Not Stated	3	
Grand Total	1,271	

	Crashes	Percent
Traffic Controls		
No Controls	363	29.0
Traffic Signals	191	15.3
Stop Sign	260	20.8
Slow Warning Sign	8	0.6
Yield Sign	18	1.4
No Passing Zone	37	3.0
R.R. Warning Sign		
R.R. Signals		
R.R. Gate and Signals	1	0.1
Other	373	29.8
Total	1,251	100.0
Not Stated	20	
Grand Total	1,271	

Virginia Crashes Involving **Buses**



In 1990 there were:

- 0 bus occupants killed or 0.0 percent of all traffic fatalities
- 324 bus occupants injured or 0.4 percent of all traffic injuries
- 514 bus crashes or 0.4 percent of all crashes
  - 4 fatal crashes or 0.4 percent of all fatal crashes
  - 209 personal injury crashes or 0.4 percent of all personal injury crashes
  - 301 property damage crashes or 0.4 percent of all property damage crashes
- 1,145 buses were registered in Virginia with 44.9 percent involved in crashes.

NOTE: This table includes city transit and intercity buses but excludes school buses.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	7	1.4
Improper Passing	4	0.8
Left of Center — Not Passing		
Failure to Yield	25	5.0
Inattention	44	8.8
Speed too Fast	2	0.4
Improper Turn	28	5.6
Improper Lane Change	4	0.8
Following too Close	19	3.8
Improper Backing	6	1.2
Illegal or Improper Parking	2	0.4
Lights Not On		
Hit and Run	2	0.4
Avoiding Pedestrian	1	0.2
Avoiding Other Vehicle	6	1.2
No Violation	319	63.8
Other	31	6.2
Total	500	100.0
Not Stated	20	
Grand Total	520	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	505	99.6
Drinking—Impaired	1	0.2
Drinking—Not Impaired		
Drinking—Impairment Unknown	1	0.2
Total	507	**100.0**
Not Stated	13	
Grand Total	520	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	510	100.0
Physical Defect		
Ill		
Fatigued		
Apparently Asleep		
Other		
Total	510	**100.0**
Not Stated	10	
Grand Total	520	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15					
15					
16					
17	1	1		2	50.0
18	2	1		3	66.7
19	2	2		4	50.0
20		1		1	
21–25	24	9		33	72.7
26–30	36	32		68	52.9
31–35	31	26		57	54.4
36–40	57	24		81	70.4
41–45	60	28		88	68.2
46–50	61	15		76	80.3
51–55	25	5		30	83.3
56–60	32	5		37	86.5
61–65	18	3		21	85.7
66–70	7			7	100.0
Over 70	3			3	100.0
Unknown	2	1	6	9	
Total	361	153	6	520	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	235	45.3
Turning Right	42	8.1
Turning Left	49	9.4
Making U-Turn	2	0.4
Slowing-Stopping	30	5.8
Ran Off Road	8	1.5
Stopped in Traffic	99	19.1
Backing	11	2.1
Passing	2	0.4
Changing Lanes	18	3.5
Other	23	4.4
Total	519	100.0
Not Stated	1	
Grand Total	520	

	Vehicles	Percent
Vehicle Defect		
No Defect	495	96.7
Lights	1	0.2
Brakes	10	2.0
Steering	1	0.2
Tires	2	0.4
Motor	1	0.2
Other	2	0.4
Total	512	100.0
Not Stated	8	
Grand Total	520	

The Environment

	Crashes	Percent
Weather		
Clear	356	69.3
Cloudy	75	14.6
Fog	2	0.4
Mist	15	2.9
Rain	61	11.9
Snow	4	0.8
Sleet		
Smoke/Dust		
Other	1	0.2
Total	514	100.0
Not Stated		
Grand Total	514	

	Crashes	Percent
Light		
Dawn	22	4.3
Daylight	403	78.4
Dusk	14	2.7
Darkness (road lighted)	59	11.5
Darkness (road unlighted)	16	3.1
Total	514	100.0
Not Stated		
Grand Total	514	

	Crashes	Percent
Traffic Controls		
No Controls	71	14.0
Traffic Signals	136	26.8
Stop Sign	61	12.0
Slow Warning Sign	1	0.2
Yield Sign	9	1.8
No Passing Zone	15	3.0
R.R. Warning Sign	1	0.2
R.R. Signals		
R.R. Gate and Signals		
Other	214	42.1
Total	508	100.0
Not Stated	6	
Grand Total	514	

Virginia Crashes Involving **Mopeds**

In 1990 there were:

- 1 moped riders killed in moped/motor vehicle crashes or 0.1 percent of all traffic fatalities
- 161 moped riders injured in moped/motor vehicle crashes or 0.2 percent of all traffic injuries
- 258 moped/motor vehicle crashes or 0.2 percent of all crashes
  - 1 fatal crashes or 0.1 percent of all fatal crashes
  - 163 personal injury crashes or 0.3 percent of all personal injury crashes
  - 94 property damage crashes or 0.1 percent of all property damage crashes

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	18	7.1
Improper Passing	5	2.0
Left of Center — Not Passing	1	0.4
Failure to Yield	31	12.3
Inattention	33	13.0
Speed too Fast	5	2.0
Improper Turn	14	5.5
Improper Lane Change	2	0.8
Following too Close	12	4.7
Improper Backing		
Illegal or Improper Parking		
Lights Not On	2	0.8
Hit and Run	6	2.4
Avoiding Pedestrian		
Avoiding Other Vehicle	2	0.8
No Violation	96	37.9
Other	26	10.3
Total	253	100.0
Not Stated	7	
Grand Total	260	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	224	89.6
Drinking—Impaired	13	5.2
Drinking—Not Impaired	5	2.0
Drinking—Impairment Unknown	8	3.2
Total	250	100.0
Not Stated	10	
Grand Total	260	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	235	94.8
Physical Defect	4	1.6
Ill	2	0.8
Fatigued	1	0.4
Apparently Asleep	1	0.4
Other	5	2.0
Total	248	100.0
Not Stated	12	
Grand Total	260	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 5					
5–9					
10–14	18	3		21	85.7
15	8			8	100.0
16	14	1		15	93.3
17	9	4		13	69.2
18	4			4	100.0
19	7	2		9	77.8
20	4			4	100.0
21–25	24	11		35	68.6
26–30	24	13		37	64.9
31–35	14	11		25	56.0
36–40	11	9		20	55.0
41–45	6	9		15	40.0
46–50	8	1		9	88.9
51–55	4	3		7	57.1
56–60	7	4		11	63.6
61–65	8	2		10	80.0
66–70	5	1		6	83.3
Over 70	5	3		8	62.5
Unknown			3	3	
Total	180	77	3	260	

The Vehicle

Vehicle Action	Vehicles	Percent
Going Straight	153	59.3
Turning Right	15	5.8
Turning Left	36	14.0
Making U-Turn	1	0.4
Slowing-Stopping	10	3.9
Ran Off Road	11	4.3
Stopped in Traffic	15	5.8
Backing	2	0.8
Passing	3	1.2
Changing Lanes	3	1.2
Other	9	3.5
Total	258	100.0
Not Stated	2	
Grand Total	260	

Vehicle Defect	Vehicles	Percent
No Defect	237	94.8
Lights	5	2.0
Brakes	6	2.4
Steering		
Tires	1	0.4
Motor	1	0.4
Other		
Total	250	100.0
Not Stated	10	
Grand Total	260	

The Environment

Weather	Crashes	Percent
Clear	183	70.9
Cloudy	44	17.1
Fog	1	0.4
Mist	7	2.7
Rain	22	8.5
Snow	1	0.4
Sleet		
Smoke Dust		
Other		
Total	258	100.0
Not Stated		
Grand Total	258	

Light	Crashes	Percent
Dawn	4	1.6
Daylight	179	69.6
Dusk	14	5.4
Darkness (road lighted)	40	15.6
Darkness (road unlighted)	20	7.8
Total	257	100.0
Not Stated	1	
Grand Total	258	

Traffic Controls	Crashes	Percent
No Controls	63	24.8
Traffic Signals	43	16.9
Stop Sign	38	15.0
Slow-Warning Sign		
Yield Sign	3	1.2
No Passing Zone	10	3.9
R.R. Warning Sign	1	0.4
R.R. Signals		
R.R. Gate and Signals		
Other	96	37.8
Total	254	100.0
Not Stated	4	
Grand Total	258	

Virginia Crashes Involving **Motorcycles**

In 1990 there were:

- 57 motorcycle occupants killed or 5.3 percent of all traffic fatalities
- 1,633 motorcycle occupants injured or 2.1 percent of all injuries
- 1,732 motorcycle crashes or 1.3 percent of all crashes
  - 55 fatal crashes or 5.8 percent of all fatal crashes
  - 1,500 personal injury crashes or 2.9 percent of all personal injury crashes
  - 177 property damage crashes or 0.2 percent of all property damage crashes
- 57,842 motorcycles were registered in Virginia with 3.0 percent involved in crashes.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	34	2.0
Improper Passing	49	2.8
Left of Center — Not Passing	32	1.9
Failure to Yield	45	2.6
Inattention	209	12.1
Speed too Fast	289	16.8
Improper Turn	17	1.0
Improper Lane Change	6	0.3
Following too Close	70	4.1
Improper Backing		
Illegal or Improper Parking		
Lights Not On	2	0.1
Hit and Run	13	0.8
Avoiding Pedestrian	2	0.1
Avoiding Other Vehicle	52	3.0
No Violation	666	38.7
Other	237	13.8
Total	**1,723**	**100.0**
Not Stated	**32**	
Grand Total	**1,755**	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	1,352	80.8
Drinking—Impaired	128	7.7
Drinking—Not Impaired	55	3.3
Drinking—Impairment Unknown	138	8.2
Total	**1,673**	**100.0**
Not Stated	**82**	
Grand Total	**1,755**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	1,643	98.0
Physical Defect	8	0.5
Ill	4	0.2
Fatigued	3	0.2
Apparently Asleep	7	0.4
Other	11	0.7
Total	**1,676**	**100.0**
Not Stated	**79**	
Grand Total	**1,755**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	14			14	100.0
15	9			9	100.0
16	20			20	100.0
17	32	2		34	94.1
18	81			81	100.0
19	122	3		125	97.6
20	124	2		126	98.4
21–25	423	11		434	97.5
26–30	307	14		321	95.6
31–35	225	10		235	95.7
36–40	128	8		136	94.1
41–45	67	4		71	94.4
46–50	54	1		55	98.2
51–55	27	2		29	93.1
56–60	14	4		18	77.8
61–65	17			17	100.0
66–70	3			8	100.0
Over 70	6			6	100.0
Unknown	3		13	16	
Total	**1,681**	**61**	**13**	**1,755**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	1,069	61.1
Turning Right	50	2.9
Turning Left	97	5.5
Making U-Turn	3	0.2
Slowing-Stopping	69	3.9
Ran Off Road	307	17.5
Stopped in Traffic	43	2.5
Backing	2	0.1
Passing	52	3.0
Changing Lanes	26	1.5
Other	32	1.8
Total	**1,750**	**100.0**
Not Stated	**5**	
Grand Total	**1,755**	

	Vehicles	Percent
Vehicle Defect		
No Defect	1,596	93.6
Lights	7	0.4
Brakes	15	0.9
Steering	8	0.5
Tires	50	2.9
Motor	9	0.5
Other	21	1.2
Total	**1,706**	**100.0**
Not Stated	**49**	
Grand Total	**1,755**	

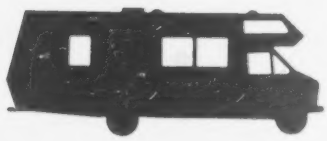
The Environment

	Crashes	Percent
Weather		
Clear	1,351	78.1
Cloudy	280	16.2
Fog	8	0.5
Mist	12	0.7
Rain	76	4.4
Snow	1	0.1
Sleet	1	0.1
Smoke/Dust		
Other	1	0.1
Total	**1,730**	**100.0**
Not Stated	**2**	
Grand Total	**1,732**	

	Crashes	Percent
Light		
Dawn	32	1.8
Daylight	1,059	61.2
Dusk	69	4.0
Darkness (road lighted)	321	18.5
Darkness (road unlighted)	250	14.4
Total	**1,731**	**100.0**
Not Stated	**1**	
Grand Total	**1,732**	

	Crashes	Percent
Traffic Controls		
No Controls	463	26.9
Traffic Signals	181	10.5
Stop Sign	191	11.1
Slow/Warning Sign	26	1.5
Yield Sign	14	0.8
No Passing Zone	157	9.1
R.R. Warning Sign	3	0.2
R.R. Signals	1	0.1
R.R. Gate and Signals		
Other	682	39.7
Total	**1,718**	**100.0**
Not Stated	**14**	
Grand Total	**1,732**	

Virginia Crashes Involving
Motorhomes/Recreational Vehicles



In 1990 there were:

- 1 motorhomes/recreational vehicles occupants killed or 0.1 percent of all traffic fatalities
- 32 motorhomes/recreational vehicles occupants injured or 0.0 percent of all traffic injuries
- 132 motorhomes/recreational vehicle crashes or 0.1 percent of all crashes
  - 2 fatal crashes or 0.2 percent of all fatal crashes
  - 38 personal injury crashes or 0.1 percent of all personal injury crashes
  - 92 property damage crashes or 0.1 percent of all property damage crashes
- 13,406 motorhomes were registered in Virginia with 1.0 percent involved in crashes.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	2	1.5
Improper Passing	1	0.8
Left of Center — Not Passing	1	0.8
Failure to Yield	14	10.7
Inattention	16	12.2
Speed too Fast	1	0.8
Improper Turn	8	6.1
Improper Lane Change	10	7.6
Following too Close	5	3.8
Improper Backing	1	0.8
Illegal or Improper Parking		
Lights Not On		
Hit and Run	7	5.3
Avoiding Pedestrian		
Avoiding Other Vehicle	3	2.3
No Violation	54	41.2
Other	8	6.1
Total	131	100.0
Not Stated	1	
Grand Total	132	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	116	95.1
Drinking—Impaired	3	2.5
Drinking—Not Impaired	2	1.6
Drinking—Impairment Unknown	1	0.8
Total	122	100.0
Not Stated	10	
Grand Total	132	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	116	95.1
Physical Defect	3	2.5
Ill		
Fatigued		
Apparently Asleep		
Other	3	2.5
Total	122	100.0
Not Stated	10	
Grand Total	132	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15					
15					
16					
17	1			1	100.0
18	1			1	100.0
19	1	1		2	50.0
20	1			1	100.0
21–25	6	4		10	60.0
26–30	3	2		5	60.0
31–35	6	2		8	75.0
36–40	3	2		5	60.0
41–45	8	1		9	88.9
46–50	10	2		12	83.3
51–55	10	2		12	83.3
56–60	12	5		17	70.6
61–65	16			16	100.0
66–70	9	2		11	81.8
Over 70	12			12	100.0
Unknown	1		9	10	
Total	100	23	9	132	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	60	46.5
Turning Right	7	5.4
Turning Left	17	13.2
Making U-Turn	2	1.6
Slowing-Stopping	8	6.2
Ran Off Road	4	3.1
Stopped in Traffic	6	4.7
Backing	3	2.3
Passing	3	2.3
Changing Lanes	13	10.1
Other	6	4.7
Total	**129**	**100.0**
Not Stated	**3**	
Grand Total	**132**	

	Vehicles	Percent
Vehicle Defect		
No Defect	118	96.7
Lights	1	0.8
Brakes	1	0.8
Steering		
Tires	1	0.8
Motor	1	0.8
Other		
Total	**122**	**100.0**
Not Stated	**10**	
Grand Total	**132**	

The Environment

	Crashes	Percent
Weather		
Clear	91	68.9
Cloudy	22	16.7
Fog	1	0.8
Mist	2	1.5
Rain	15	11.4
Snow	1	0.8
Sleet		
Smoke/Dust		
Other		
Total	**132**	**100.0**
Not Stated		
Grand Total	**132**	

	Crashes	Percent
Light		
Dawn	3	2.3
Daylight	93	70.5
Dusk	3	2.3
Darkness (road lighted)	12	9.1
Darkness (road unlighted)	21	15.9
Total	**132**	**100.0**
Not Stated		
Grand Total	**132**	

	Crashes	Percent
Traffic Controls		
No Controls	23	17.4
Traffic Signals	16	12.1
Stop Sign	11	8.3
Slow/Warning Sign	1	0.8
Yield Sign	2	1.5
No Passing Zone	4	3.0
R.R. Warning Sign		
R.R. Signals		
R.R. Gate and Signals		
Other	75	56.8
Total	**132**	**100.0**
Not Stated		
Grand Total	**132**	

Virginia Crashes Involving **Pedestrians**

In 1990 there were:

- 116 pedestrians killed in pedestrian/motor vehicle crashes or 10.8 percent of all traffic fatalities
- 2,220 pedestrians injured in pedestrian/motor vehicle crashes or 2.9 percent of all traffic injuries
- 2,209 pedestrian/motor vehicle crashes or 1.6 percent of all crashes
  - 115 fatal crashes or 12.1 percent of all fatal crashes
  - 2,094 personal injury crashes or 4.0 percent of all personal injury crashes

The Pedestrian

	Pedestrians	Percent
Pedestrian Action		
Crossing Against Signal	114	5.0
Crossing Not at Crosswalk	533	23.5
Crossing With Signal	110	4.9
Walking With Traffic	131	5.8
Walking Against Traffic	69	3.0
Came Onto Road Between Parked Cars	202	8.9
Getting On or Off Vehicle	38	1.7
Working on Road	55	2.4
Standing or Lying on Road	147	6.5
Other	868	38.3
Total	**2,267**	**100.0**
Not Stated	**69**	
Grand Total	**2,336**	

Drinking	Pedestrians	Percent
Pedestrian Condition		
Not Impaired	1,648	79.2
Drinking—Impaired	226	10.9
Drinking—Not Impaired	27	1.3
Drinking—Impairment Unknown	181	8.7
Total	**2,082**	**100.0**
Not Stated	**254**	
Grand Total	**2,336**	

Physical	Pedestrians	Percent
Pedestrians Condition		
Not Impaired	1,885	91.8
Physical Defect	56	2.7
Ill	4	0.2
Fatigued	35	1.7
Apparently Asleep	3	0.1
Other	70	3.4
Total	**2,053**	**100.0**
Not Stated	**283**	
Grand Total	**2,336**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 5	73	35		108	67.6
5–9	185	99		284	65.1
10–14	145	93		238	60.9
15	32	20		52	61.5
16	27	20		47	57.4
17	26	18		44	59.1
18	30	22		52	57.7
19	28	27		55	50.9
20	32	22		54	59.3
21–25	157	86		243	64.6
26–30	174	75		249	69.9
31–35	127	71		198	64.1
36–40	99	58		157	63.1
41–45	79	43		122	64.8
46–50	68	31		99	68.7
51–55	46	17		63	73.0
56–60	40	23		63	63.5
61–65	26	19		45	57.8
66–70	24	16		40	60.0
Over 70	37	53		90	41.1
Unknown	19	14		33	
Total	**1,474**	**862**		**2,336**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	1,573	68.1
Turning Right	129	5.6
Turning Left	122	5.3
Making U-Turn	3	0.1
Slowing-Stopping	49	2.1
Ran Off Road	83	3.6
Stopped in Traffic	62	2.7
Backing	137	5.9
Passing	16	0.7
Changing Lanes	27	1.2
Other	108	4.7
Total	**2,309**	**100.0**
Not Stated	**35**	
Grand Total	**2,344**	

NOTE: This format for pedestrians is based on action of the vehicle striking pedestrian.

	Vehicles	Percent
Vehicle Defect		
No Defect	1,987	97.4
Lights	5	0.2
Brakes	14	0.7
Steering	3	0.1
Tires	11	0.5
Motor	11	0.5
Other	10	0.5
Total	**2,041**	**100.0**
Not Stated	**303**	
Grand Total	**2,344**	

The Environment

	Crashes	Percent
Weather		
Clear	1,545	70.2
Cloudy	392	17.8
Fog	12	0.5
Mist	43	2.0
Rain	202	9.2
Snow	5	0.2
Sleet	1	
Smoke/Dust		
Other	1	
Total	**2,201**	**100.0**
Not Stated	**8**	
Grand Total	**2,209**	

	Crashes	Percent
Light		
Dawn	39	1.8
Daylight	1,265	57.7
Dusk	81	3.7
Darkness (road lighted)	549	25.0
Darkness (road unlighted)	260	11.9
Total	**2,194**	**100.0**
Not Stated	**15**	
Grand Total	**2,209**	

	Crashes	Percent
Traffic Controls		
No Controls	820	37.8
Traffic Signals	322	14.9
Stop Sign	112	5.2
Slow/Warning Sign	18	0.8
Yield Sign	94	4.3
No Passing Zone	10	0.5
R.R. Warning Sign		
R.R. Signals		
R.R. Gate and Signals		
Other	791	36.5
Total	**2,167**	**100.0**
Not Stated	**42**	
Grand Total	**2,209**	

Virginia Crashes Involving
Pickups and Passenger Trucks

In 1990 there were:

- 140 pickup/passenger truck occupants killed or 13.1 percent of all traffic fatalities
- 8,882 pickup/passenger truck occupants injured or 11.6 percent of all traffic injuries
- 31,344 pickup/passenger truck crashes or 23.3 percent of all crashes
  - 220 fatal crashes or 23.2 percent of all fatal crashes
  - 11,510 personal injury crashes or 22.2 percent of all personal injury crashes
  - 19,614 property damage crashes or 24.0 percent of all property damage crashes
- 765,369 pickup/passenger trucks were registered in Virginia with 4.1 percent involved in crashes.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	807	2.4
Improper Passing	353	1.1
Left of Center — Not Passing	631	1.9
Failure to Yield	2,962	8.9
Inattention	4,277	12.9
Speed too Fast	2,481	7.5
Improper Turn	553	1.7
Improper Lane Change	206	0.6
Following too Close	2,337	7.0
Improper Backing	246	0.7
Illegal or Improper Parking	49	0.1
Lights Not On	21	0.1
Hit and Run	600	1.8
Avoiding Pedestrian	29	0.1
Avoiding Other Vehicle	743	2.2
No Violation	14,268	43.0
Other	2,628	7.9
Total	33,191	100.0
Not Stated	778	
Grand Total	33,969	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	29,278	89.0
Drinking—Impaired	2,156	6.6
Drinking—Not Impaired	606	1.8
Drinking—Impairment Unknown	841	2.6
Total	32,881	100.0
Not Stated	1,088	
Grand Total	33,969	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	31,816	96.9
Physical Defect	205	0.6
Ill	78	0.2
Fatigued	117	0.4
Apparently Asleep	472	1.4
Other	161	0.5
Total	32,849	100.0
Not Stated	1,120	
Grand Total	33,969	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	18	4		22	81.8
15	30	12		42	71.4
16	619	140		759	81.6
17	718	169		887	80.9
18	911	192		1,103	82.6
19	1,045	192		1,237	84.5
20	965	164		1,129	85.5
21–25	4,597	900		5,497	83.6
26–30	4,492	884	1	5,377	83.6
31–35	3,689	674		4,363	84.6
36–40	2,863	459		3,322	86.2
41–45	2,264	335		2,599	87.1
46–50	1,715	227		1,942	88.3
51–55	1,274	156		1,430	89.1
56–60	1,117	98	1	1,216	91.9
61–65	873	67		940	92.9
66–70	649	49		698	93.0
Over 70	729	33		762	95.7
Unknown	32	1	611	644	
Total	28,600	4,756	613	33,969	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	16,560	49.0
Turning Right	1,035	3.1
Turning Left	3,248	9.6
Making U-Turn	131	0.4
Slowing-Stopping	2,127	6.3
Ran Off Road	4,181	12.4
Stopped in Traffic	3,821	11.3
Backing	425	1.3
Passing	405	1.2
Changing Lanes	753	2.2
Other	1,106	3.3
Total	**33,792**	**100.0**
Not Stated	**177**	
Grand Total	**33,969**	

	Vehicles	Percent
Vehicle Defect		
No Defect	32,295	97.5
Lights	92	0.3
Brakes	200	0.6
Steering	74	0.2
Tires	262	0.8
Motor	57	0.2
Other	135	0.4
Total	**33,115**	**100.0**
Not Stated	**854**	
Grand Total	**33,969**	

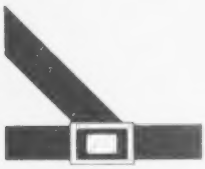
The Environment

	Crashes	Percent
Weather		
Clear	19,318	61.8
Cloudy	5,838	18.7
Fog	349	1.1
Mist	891	2.8
Rain	4,483	14.3
Snow	293	0.9
Sleet	75	0.2
Smoke/Dust	7	
Other	23	0.1
Total	**31,277**	**100.0**
Not Stated	**67**	
Grand Total	**31,344**	

	Crashes	Percent
Light		
Dawn	852	2.7
Daylight	21,036	67.3
Dusk	898	2.9
Darkness (road lighted)	3,593	11.5
Darkness (road unlighted)	4,896	15.7
Total	**31,275**	**100.0**
Not Stated	**69**	
Grand Total	**31,344**	

	Crashes	Percent
Traffic Controls		
No Controls	6,504	20.9
Traffic Signals	5,357	17.2
Stop Sign	3,139	10.1
Slow/Warning Sign	271	0.9
Yield Sign	392	1.3
No Passing Zone	3,068	9.9
R.R. Warning Sign	13	
R.R. Signals	7	
R.R. Gate and Signals	17	0.1
Other	12,376	39.7
Total	**31,144**	**100.0**
Not Stated	**200**	
Grand Total	**31,344**	

Virginia Crashes Involving
Safety Belts/Child Safety Seats



In 1990 there were:

		Restraints								
	No Restraints	Lap Belt	Harness	Lap Belt & Harness	Child Safety Seat	Air Bag	Other	Total	Not Stated	Grand Total
Fatalities	635	32	29	132	5	3	1	837	35	872
Percent	75.9	3.8	3.5	15.8	0.6	0.4	0.1	100.0		-
Injuries	21,164	5,293	3,701	36,585	597	128	164	67,632	2,622	70,254
Percent	31.3	7.8	5.5	54.1	0.9	0.2	0.2	100.0		
Total	21,799	5,325	3,730	36,717	602	131	165	68,469	2,657	71,126
Percent	31.8	7.8	5.4	53.6	0.9	0.2	0.2	100.0		

NOTE: This excludes fatalities and injuries in vehicles not equipped with safety belts, such as motorcycles, mopeds, bicycles and buses.

Fatalities

		Restraints								
	No Restraints	Lap Belt	Harness	Lap Belt & Harness	Child Safety Seat	Air Bag	Other	Total	Not Stated	Grand Total
Under 1	5				3			8		8
1	2				2			4		4
2	3							3		3
3	1	1						2		2
4	5	1						6		6
5–9	10	3						13		13
10–14	15	1		1				17		17
15	9							9		9
16	19	1		6				26		26
17	21		1	4				26		26
18	32		1	10				43	3	46
19	27			7				34	2	36
20	21	2	1	6				30	1	31
21–25	86	2	3	17		1		109	6	115
26–30	96	2	3	8				109	7	116
31–35	55	3		12				70	5	75
36–40	47	3	1	7				58	2	60
41–45	27	1	4	4			1	37	1	38
46–50	36	1	1	6				44		44
51–55	19		2	4				25		25
56–60	25	1	2	6				34	2	36
61–65	16	3	2	2		1		24	2	26
66–70	16	2	3	11		1		33	2	35
Over 70	41	5	5	21				72	2	74
Unknown	1							1		1

Injuries

		Restraints							
	No Restraints	Lap Belt	Harness	Lap Belt & Harness	Child Safety Seat	Air Bag	Other	Total	Not Stated	Grand Total
Under 1	60	9	6	14	229		2	320	3	323
1	61	25	3	22	155	1	1	268	2	270
2	91	49	7	29	98		4	278	2	280
3	111	60	4	76	65		1	317	5	322
4	134	87	10	95	18		2	346	8	354
5–9	711	357	47	450	16		5	1,586	48	1,634
10–14	937	287	46	523		1	1	1,795	52	1,847
15	457	105	27	262			1	852	22	874
16	893	168	93	1,068		1	4	2,227	61	2,288
17	1,070	163	132	1,202		2	6	2,575	71	2,646
18	1,187	170	134	1,268		6	5	2,770	111	2,881
19	1,216	175	124	1,337		6	4	2,862	108	2,970
20	1,000	153	120	1,294		9	10	2,586	92	2,678
21–25	3,658	653	542	5,675		25	33	10,586	421	11,007
26–30	2,693	607	504	4,911		9	19	8,743	370	9,113
31–35	1,824	518	410	4,037		13	12	6,814	311	7,125
36–40	1,242	368	346	3,332		9	12	5,309	205	5,514
41–45	904	286	275	2,765		12	6	4,248	155	4,403
46–50	771	263	209	2,291		8	10	3,552	125	3,677
51–55	353	136	125	1,160		3	4	1,781	70	1,851
56–60	374	137	129	1,201		5	2	1,848	84	1,932
61–65	337	127	119	1,124		6	4	1,717	57	1,774
66–70	255	115	111	895		3	4	1,383	55	1,438
Over 70	529	192	148	1,311		9	8	2,197	86	2,283
Unknown	296	83	30	243	16		4	672	98	770

Total Fatalities and Injuries

		Restraints							
	No Restraints	Lap Belt	Harness	Lap Belt & Harness	Child Safety Seat	Air Bag	Other	Total	Not Stated	Grand Total
Under 1	65	9	6	14	232		2	328	3	331
1	63	25	3	22	157	1	1	272	2	274
2	94	49	7	29	98		4	281	2	283
3	112	61	4	76	65		1	319	5	324
4	139	88	10	95	18		2	352	8	360
5–9	721	360	47	450	16		5	1,599	48	1,647
10–14	952	288	46	524		1	1	1,812	52	1,864
15	466	105	27	262			1	861	22	883
16	912	169	93	1,074		1	4	2,253	61	2,314
17	1,091	163	133	1,206		2	6	2,601	71	2,672
18	1,219	170	135	1,278		6	5	2,813	114	2,927
19	1,243	175	124	1,344		6	4	2,896	110	3,006
20	1,021	155	121	1,300		9	10	2,616	93	2,709
21–25	3,744	655	545	5,692		26	33	10,695	427	11,122
26–30	2,789	609	507	4,919		9	19	8,852	377	9,229
31–35	1,879	521	410	4,049		13	12	6,884	316	7,200
36–40	1,289	371	347	3,339		9	12	5,367	207	5,574
41–45	931	287	279	2,769		12	7	4,285	156	4,441
46–50	807	264	210	2,297		8	10	3,596	125	3,721
51–55	372	136	127	1,164		3	4	1,806	70	1,876
56–60	399	138	131	1,207		5	2	1,882	86	1,968
61–65	353	130	121	1,126		7	4	1,741	59	1,800
66–70	271	117	114	906		4	4	1,416	57	1,473
Over 70	570	197	153	1,332		9	8	2,269	88	2,357
Unknown	297	83	30	243	16		4	673	98	771

Virginia Crashes Involving
School Buses

In 1990 there were:

- 0 school bus occupants killed or 0.0 percent of all traffic fatalities
- 255 school bus occupants injured or 0.3 percent of all traffic injuries
- 627 school bus crashes or 0.5 percent of all crashes
  - 2 fatal crashes or 0.2 percent of all fatal crashes
  - 177 personal injury crashes or 0.3 percent of all personal injury crashes
  - 448 property damage crashes or 0.5 percent of all property damage crashes
- 14,922 school buses were registered in Virginia with 4.2 percent involved in crashes.
  - 0 persons were killed getting on or off of school buses.
  - 0 persons were injured getting on or off of school buses.

NOTE: Data after 1987 not comparable to previous years due to changes in counting procedures.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	6	1.0
Improper Passing	5	0.8
Left of Center — Not Passing	12	1.9
Failure to Yield	48	7.8
Inattention	51	8.2
Speed too Fast	6	1.0
Improper Turn	22	3.6
Improper Lane Change	1	0.2
Following too Close	21	3.4
Improper Backing	31	5.0
Illegal or Improper Parking	3	0.5
Lights Not On		
Hit and Run	2	0.3
Avoiding Pedestrian	1	0.2
Avoiding Other Vehicle	14	2.3
No Violation	355	57.4
Other	41	6.6
Total	**619**	**100.0**
Not Stated	**15**	
Grand Total	634	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	628	99.8
Drinking—Impaired	1	0.2
Drinking—Not Impaired		
Drinking—Impairment Unknown		
Total	**629**	**100.0**
Not Stated	**5**	
Grand Total	**634**	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	627	99.5
Physical Defect		
Ill	1	0.2
Fatigued		
Apparently Asleep		
Other	2	0.3
Total	**630**	**100.0**
Not Stated	**4**	
Grand Total	**634**	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15					
15					
16					
17					
18	2			2	100.0
19	5	1		6	83.3
20	1	2		3	33.3
21–25	15	27		42	35.7
26–30	18	73		91	19.8
31–35	11	84		95	11.6
36–40	17	78		95	17.9
41–45	13	53		66	19.7
46–50	8	48		56	14.3
51–55	17	45		62	27.4
56–60	17	30		47	36.2
61–65	26	11		37	70.3
66–70	20	5		25	80.0
Over 70	2	2		4	50.0
Unknown			3	3	
Total	**172**	**459**	**3**	**634**	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	263	41.5
Turning Right	35	5.5
Turning Left	87	13.7
Making U-Turn	2	0.3
Slowing-Stopping	30	4.7
Ran Off Road	18	2.8
Stopped in Traffic	106	16.7
Backing	42	6.6
Passing	6	0.9
Changing Lanes	11	1.7
Other	34	5.4
Total	**634**	**100.0**
Not Stated		
Grand Total	**634**	

	Vehicles	Percent
Vehicle Defect		
No Defect	616	98.2
Lights	2	0.3
Brakes	3	0.5
Steering	2	0.3
Tires		
Motor	3	0.5
Other	1	0.2
Total	627	100.0
Not Stated	7	
Grand Total	634	

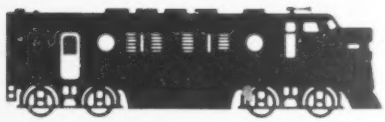
The Environment

	Crashes	Percent
Weather		
Clear	424	67.6
Cloudy	118	18.8
Fog	7	1.1
Mist	13	2.1
Rain	60	9.6
Snow	4	0.6
Sleet		
Smoke/Dust		
Other	1	0.2
Total	627	100.0
Not Stated		
Grand Total	627	

	Crashes	Percent
Light		
Dawn	20	3.2
Daylight	589	93.9
Dusk	5	0.8
Darkness (road lighted)	7	1.1
Darkness (road unlighted)	6	1.0
Total	**627**	**100.0**
Not Stated		
Grand Total	**627**	

	Crashes	Percent
Traffic Controls		
No Controls	167	26.7
Traffic Signals	77	12.3
Stop Sign	109	17.4
Slow/Warning Sign	10	1.6
Yield Sign	13	2.1
No Passing Zone	45	7.2
R.R. Warning Sign	1	0.2
R.R. Signals		
R.R. Gate and Signals	2	0.3
Other	201	32.3
Total	**625**	**100.0**
Not Stated	**2**	
Grand Total	627	

Virginia Crashes Involving **Trains/Vehicles**



In 1990 there were:

- 5 persons killed in train/vehicle crashes or 0.5 percent of all traffic fatalities
- 46 persons injured in train/vehicle crashes or 0.1 percent of all traffic injuries
- 82 train/vehicle crashes or 0.1 percent of all crashes
  - 4 fatal crashes or 0.4 percent of all fatal crashes
  - 37 personal injury crashes or 0.1 percent of all personal injury crashes
  - 41 property damage crashes or 0.1 percent of all property damage crashes

NOTE: Bicycles, mopeds, and pedestrians are included only when a motor vehicle is involved.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	7	8.6
Improper Passing		
Left of Center — Not Passing		
Failure to Yield	13	16.0
Inattention	26	32.1
Speed too Fast		
Improper Turn	1	1.2
Improper Lane Change		
Following too Close		
Improper Backing		
Illegal or Improper Parking		
Lights Not On		
Hit and Run		
Avoiding Pedestrian		
Avoiding Other Vehicle	1	1.2
No Violation	6	7.4
Other	27	33.3
Total	81	100.0
Not Stated	1	
Grand Total	82	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	62	77.5
Drinking—Impaired	8	10.0
Drinking—Not Impaired	5	6.3
Drinking—Impairment Unknown	5	6.3
Total	80	100.0
Not Stated	2	
Grand Total	82	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	73	91.3
Physical Defect	6	7.5
Ill		
Fatigued		
Apparently Asleep	1	1.3
Other		
Total	80	100.0
Not Stated	2	
Grand Total	82	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	1			1	100.0
15					
16					
17	1	2		3	33.3
18	2	1		3	66.7
19	1	1		2	50.0
20	2			2	100.0
21–25	6	8		14	42.9
26–30	7	7		14	50.0
31–35	8	1		9	88.9
36–40	7			7	100.0
41–45	3	1		4	75.0
46–50	2	1		3	66.7
51–55	8			8	100.0
56–60	3	2		5	60.0
61–65	3			3	100.0
66–70	2			2	100.0
Over 70	1			1	100.0
Unknown			1	1	
Total	57	24	1	82	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	56	68.3
Turning Right	3	3.7
Turning Left		
Making U-Turn		
Slowing-Stopping	6	7.3
Ran Off Road	4	4.9
Stopped in Traffic	7	8.5
Backing		
Passing		
Changing Lanes		
Other	6	7.3
Total	**82**	**100.0**
Not Stated		
Grand Total	**82**	

	Vehicles	Percent
Vehicle Defect		
No Defect	75	92.6
Lights		
Brakes	2	2.5
Steering		
Tires		
Motor	3	3.7
Other	1	1.2
Total	**81**	**100.0**
Not Stated	**1**	
Grand Total	**82**	

The Environment

	Crashes	Percent
Weather		
Clear	55	67.9
Cloudy	9	11.1
Fog	2	2.5
Mist	3	3.7
Rain	9	11.1
Snow	1	1.2
Sleet	1	1.2
Smoke/Dust		
Other	1	1.2
Total	**81**	**100.0**
Not Stated	**1**	
Grand Total	**82**	

	Crashes	Percent
Light		
Dawn	4	4.9
Daylight	40	48.8
Dusk	3	3.7
Darkness (road lighted)	16	19.5
Darkness (road unlighted)	19	23.2
Total	**82**	**100.0**
Not Stated		
Grand Total	**82**	

	Crashes	Percent
Traffic Controls		
No Controls	4	4.9
Traffic Signals	3	3.7
Stop Sign	3	3.7
Slow/Warning Sign		
Yield Sign		
No Passing Zone		
R.R. Warning Sign	35	42.7
R.R. Signals	20	24.4
R.R. Gate and Signals	15	18.3
Other	2	2.4
Total	**82**	**100.0**
Not Stated		
Grand Total	**82**	

Virginia Crashes Involving **Straight Trucks**

In 1990 there were:

- 12 straight truck occupants killed or 1.1 percent of all traffic fatalities
- 1,215 straight truck occupants injured or 1.6 percent of all traffic injuries
- 7,765 straight truck crashes or 5.8 percent of all crashes
  - 61 fatal crashes or 6.4 percent of all fatal crashes
  - 2,614 personal injury crashes or 5.1 percent of all personal injury crashes
  - 5,090 property damage crashes or 6.2 percent of all property damage crashes
  - 335 covered straight truck crashes or 4.3 percent of all straight truck crashes
- 70 persons were killed in straight truck crashes; 58 (82.8 percent) were not straight truck occupants.
- 147,255 straight trucks were registered in Virginia with 5.3 percent involved in crashes.

NOTE: The category of straight trucks includes: straight, flat bed, dump, and tractor (w/o trailer) trucks and wreckers.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	182	2.3
Improper Passing	71	0.9
Left of Center — Not Passing	117	1.5
Failure to Yield	633	8.0
Inattention	944	11.9
Speed too Fast	288	3.6
Improper Turn	287	3.6
Improper Lane Change	123	1.6
Following too Close	553	7.0
Improper Backing	286	3.6
Illegal or Improper Parking	27	0.3
Lights Not On	8	0.1
Hit and Run	142	1.8
Avoiding Pedestrian	9	0.1
Avoiding Other Vehicle	230	2.9
No Violation	3,200	40.5
Other	807	10.2
Total	7,907	100.0
Not Stated	200	
Grand Total	8,107	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	7,532	96.1
Drinking—impaired	183	2.3
Drinking—Not Impaired	63	0.8
Drinking—Impairment Unknown	62	0.8
Total	7,840	100.0
Not Stated	267	
Grand Total	8,107	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	7,687	98.2
Physical Defect	38	0.5
Ill	9	0.1
Fatigued	19	0.2
Apparently Asleep	50	0.6
Other	28	0.4
Total	7,831	100.0
Not Stated	276	
Grand Total	8,107	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	4	1		5	80.0
15					
16	37	9		46	80.4
17	53	8		61	86.9
18	80	15		95	84.2
19	148	14		162	91.4
20	201	25		226	88.9
21–25	1,247	77	1	1,325	94.2
26–30	1,389	106	1	1,496	92.9
31–35	1,178	89		1,267	93.0
36–40	864	53		917	94.2
41–45	666	40		706	94.3
46–50	493	27	1	521	94.8
51–55	404	13		417	96.9
56–60	288	11		299	96.3
61–65	182	12		194	93.8
66–70	81	5		86	94.2
Over 70	85	1		86	98.8
Unknown	12	1	185	198	
Total	7,412	507	188	8,107	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	3,917	48.6
Turning Right	475	5.9
Turning Left	733	9.1
Making U-Turn	48	0.6
Slowing-Stopping	496	6.2
Ran Off Road	510	6.3
Stopped in Traffic	714	8.9
Backing	380	4.7
Passing	89	1.1
Changing Lanes	372	4.6
Other	325	4.0
Total	**8,059**	**100.0**
Not Stated	**48**	
Grand Total	**8,107**	

	Vehicles	Percent
Vehicle Defect		
No Defect	7,431	93.9
Lights	34	0.4
Brakes	242	3.1
Steering	22	0.3
Tires	67	0.8
Motor	20	0.3
Other	95	1.2
Total	**7,911**	**100.0**
Not Stated	**196**	
Grand Total	**8,107**	

The Environment

	Crashes	Percent
Weather		
Clear	5,162	66.6
Cloudy	1,343	17.3
Fog	54	0.7
Mist	171	2.2
Rain	958	12.4
Snow	40	0.5
Sleet	15	0.2
Smoke/Dust	1	
Other	5	0.1
Total	**7,749**	**100.0**
Not Stated	**16**	
Grand Total	**7,765**	

	Crashes	Percent
Light		
Dawn	197	2.5
Daylight	6,298	81.2
Dusk	161	2.1
Darkness (road lighted)	595	7.7
Darkness (road unlighted)	501	6.5
Total	**7,752**	**100.0**
Not Stated	**13**	
Grand Total	**7,765**	

	Crashes	Percent
Traffic Controls		
No Controls	1,337	17.4
Traffic Signals	1,589	20.6
Stop Sign	716	9.3
Slow/Warning Sign	84	1.1
Yield Sign	104	1.4
No Passing Zone	438	5.7
R.R. Warning Sign	8	0.1
R.R. Signals	5	0.1
R.R. Gate and Signals	4	0.1
Other	3,418	44.4
Total	**7,703**	**100.0**
Not Stated	**62**	
Grand Total	**7,765**	

Virginia Crashes Involving
Tractor-Trailers

In 1990 there were:

- 21 tractor-trailer occupants killed or 2.0 percent of all traffic fatalities
- 431 tractor-trailer occupants injured or 0.6 percent of all traffic injuries
- 3,275 tractor-trailer crashes or 2.4 percent of all crashes
  - 77 fatal crashes or 8.1 percent of all fatal crashes
  - 1,168 personal injury crashes or 2.3 percent of all personal injury crashes
  - 2,030 property damage crashes or 2.5 percent of all property damage crashes
  - 514 covered tractor-trailer crashes or 15.7 percent of all tractor-trailer crashes
- 94 persons were killed in tractor-trailer crashes. 73 (77.6 percent) were not tractor-trailer occupants
- 90,419 tractor-trailers were registered in Virginia with 3.6 percent involved in crashes

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	29	0.9
Improper Passing	40	1.2
Left of Center — Not Passing	52	1.6
Failure to Yield	154	4.6
Inattention	499	14.9
Speed too Fast	195	5.8
Improper Turn	175	5.2
Improper Lane Change	198	5.9
Following too Close	162	4.8
Improper Backing	86	2.6
Illegal or Improper Parking	13	0.4
Lights Not On	3	0.1
Hit and Run	76	2.3
Avoiding Pedestrian	4	0.1
Avoiding Other Vehicle	104	3.1
No Violation	1,296	38.7
Other	264	7.9
Total	3,350	100.0
Not Stated	63	
Grand Total	3,413	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	3,195	98.7
Drinking—Impaired	26	0.8
Drinking—Not Impaired	5	0.2
Drinking—Impairment Unknown	12	0.4
Total	3,238	100.0
Not Stated	175	
Grand Total	3,413	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	3,142	96.9
Physical Defect	7	0.2
Ill	4	0.1
Fatigued	14	0.4
Apparently Asleep	74	2.3
Other	2	0.1
Total	3,243	100.0
Not Stated	170	
Grand Total	3,413	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	1			1	100.0
15					
16					
17	1			1	100.0
18	4			4	100.0
19	13			13	100.0
20	12			12	100.0
21–25	287	8		295	97.3
26–30	520	9		529	98.3
31–35	568	16		584	97.3
36–40	475	9	1	485	98.1
41–45	429	5		434	98.8
46–50	341	7		348	98.0
51–55	247	1		248	99.6
56–60	188	2		190	98.9
61–65	84			84	100.0
66–70	26			26	100.0
Over 70	13			13	100.0
Unknown	8		138	146	
Total	3,217	57	139	3,413	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	1,504	44.3
Turning Right	250	7.4
Turning Left	205	6.0
Making U-Turn	25	0.7
Slowing-Stopping	190	5.6
Ran Off Road	373	11.0
Stopped in Traffic	149	4.4
Backing	99	2.9
Passing	59	1.7
Changing Lanes	438	12.9
Other	104	3.1
Total	3,396	100.0
Not Stated	17	
Grand Total	3,413	

	Vehicles	Percent
Vehicle Defect		
No Defect	3,093	95.2
Lights	10	0.3
Brakes	77	2.4
Steering	6	0.2
Tires	18	0.6
Motor	2	0.1
Other	43	1.3
Total	3,249	100.0
Not Stated	164	
Grand Total	3,413	

The Environment

	Crashes	Percent
Weather		
Clear	2,142	65.5
Cloudy	626	19.1
Fog	28	0.9
Mist	66	2.0
Rain	358	10.9
Snow	35	1.1
Sleet	13	0.4
Smoke/Dust		
Other	3	0.1
Total	3,271	100.0
Not Stated	4	
Grand Total	3,275	

	Crashes	Percent
Light		
Dawn	92	2.8
Daylight	2,243	68.6
Dusk	47	1.4
Darkness (road lighted)	196	6.0
Darkness (road unlighted)	693	21.2
Total	3,271	100.0
Not Stated	4	
Grand Total	3,275	

	Crashes	Percent
Traffic Controls		
No Controls	303	9.3
Traffic Signals	391	12.0
Stop Sign	193	5.9
Slow Warning Sign	56	1.7
Yield Sign	27	0.8
No Passing Zone	241	7.4
R.R. Warning Sign	4	0.1
R.R. Signals	3	0.1
R.R. Gate and Signals		
Other	2,046	62.7
Total	3,264	100.0
Not Stated	11	
Grand Total	3,275	

Virginia Crashes Involving
Tractor-Twin Trailers

In 1990 there were:

- 0 tractor-twin-trailer occupants killed or 0.0 percent of all traffic fatalities
- 4 tractor-twin-trailer occupants injured or 0.0 percent of all traffic injuries
- 31 tractor-twin-trailer crashes or 0.0 percent of all crashes
  - 0 fatal crashes or 0.0 percent of all fatal crashes
  - 10 personal injury crashes or 0.0 percent of all personal injury crashes
  - 21 property damage crashes or 0.0 percent of all property damage crashes
  - 9 covered tractor-twin-trailer crashes or 29.0 percent of all tractor-twin-trailer crashes
- 0 persons were killed in tractor-twin-trailer crashes.

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control		
Improper Passing		
Left of Center — Not Passing		
Failure to Yield		
Inattention	7	22.6
Speed too Fast	1	3.2
Improper Turn		
Improper Lane Change	3	9.7
Following too Close	1	3.2
Improper Backing		
Illegal or Improper Parking		
Lights Not On		
Hit and Run		
Avoiding Pedestrian		
Avoiding Other Vehicle	1	3.2
No Violation	13	41.9
Other	5	16.1
Total	31	100.0
Not Stated		
Grand Total	31	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	29	100.0
Drinking—Impaired		
Drinking—Not Impaired		
Drinking—Impairment Unknown		
Total	29	100.0
Not Stated	2	
Grand Total	31	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	28	96.6
Physical Defect		
Ill		
Fatigued		
Apparently Asleep	1	3.4
Other		
Total	29	100.0
Not Stated	2	
Grand Total	31	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15					
15					
16					
17					
18					
19					
20	1			1	100.0
21–25	1			1	100.0
26–30	3			3	100.0
31–35	5			5	100.0
36–40	2	1		3	66.7
41–45	4			4	100.0
46–50	5			5	100.0
51–55	5			5	100.0
56–60					
61–65	1			1	100.0
66–70	1			1	100.0
Over 70					
Unknown			2	2	
Total	28	1	2	31	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	13	41.9
Turning Right		
Turning Left		
Making U-Turn		
Slowing-Stopping	2	6.5
Ran Off Road	8	25.8
Stopped in Traffic		
Backing		
Passing		
Changing Lanes	6	19.4
Other	2	6.5
Total	**31**	**100.0**
Not Stated		
Grand Total	**31**	

	Vehicles	Percent
Vehicle Defect		
No Defect	28	90.3
Lights		
Brakes	2	6.5
Steering		
Tires		
Motor		
Other	1	3.2
Total	**31**	**100.0**
Not Stated		
Grand Total	**31**	

The Environment

	Crashes	Percent
Weather		
Clear	15	48.4
Cloudy	8	25.8
Fog	1	3.2
Mist		
Rain	6	19.4
Snow	1	3.2
Sleet		
Smoke/Dust		
Other		
Total	**31**	**100.0**
Not Stated		
Grand Total	**31**	

	Crashes	Percent
Light		
Dawn	1	3.2
Daylight	15	48.4
Dusk		
Darkness (road lighted)	1	3.2
Darkness (road unlighted)	14	45.2
Total	**31**	**100.0**
Not Stated		
Grand Total	**31**	

	Crashes	Percent
Traffic Controls		
No Controls	1	3.2
Traffic Signals	2	6.5
Stop Sign		
Slow/Warning Sign		
Yield Sign		
No Passing Zone	1	3.2
R.R. Warning Sign		
R.R. Signals		
R.R. Gate and Signals		
Other	27	87.1
Total	**31**	**100.0**
Not Stated		
Grand Total	**31**	

Virginia Crashes Involving **Vans**

In 1990 there were:

- 24 van occupants killed or 2.2 percent of all traffic fatalities
- 2,482 van occupants injured or 3.2 percent of all traffic injuries
- 9,406 van crashes or 7.0 percent of all crashes
  - 52 fatal crashes or 5.5 percent of all fatal crashes
  - 3,365 personal injury crashes or 6.5 percent of all personal injury crashes
  - 5,989 property damage crashes or 7.3 percent of all property damage crashes
- 218,922 vans registered in Virginia with 4.3 percent involved in crashes

The Driver

	Drivers	Percent
Driver Action		
Ran Traffic Control	305	3.2
Improper Passing	82	0.9
Left of Center — Not Passing	76	0.8
Failure to Yield	988	10.5
Inattention	1,114	11.8
Speed too Fast	324	3.4
Improper Turn	222	2.3
Improper Lane Change	80	0.8
Following too Close	644	6.8
Improper Backing	117	1.2
Illegal or Improper Parking	17	0.2
Lights Not On	1	
Hit and Run	162	1.7
Avoiding Pedestrian	3	
Avoiding Other Vehicle	180	1.9
No Violation	4,463	47.2
Other	672	7.1
Total	9,450	100.0
Not Stated	242	
Grand Total	9,692	

Drinking	Drivers	Percent
Driver Condition		
Not Impaired	8,953	95.0
Drinking—Impaired	283	3.0
Drinking—Not Impaired	89	0.9
Drinking—Impairment Unknown	99	1.1
Total	9,424	100.0
Not Stated	268	
Grand Total	9,692	

Physical	Drivers	Percent
Driver Condition		
Not Impaired	9,230	97.9
Physical Defect	48	0.5
Ill	12	0.1
Fatigued	26	0.3
Apparently Asleep	66	0.7
Other	46	0.5
Total	9,428	100.0
Not Stated	264	
Grand Total	9,692	

	Male	Female	Not Stated	Total	Percent of Males
Age					
Under 15	5	3		8	62.5
15	3	5		8	37.5
16	81	51		132	61.4
17	73	43		116	62.9
18	105	43		148	70.9
19	128	33		161	79.5
20	138	37		175	78.9
21–25	738	173		911	81.0
26–30	969	376	1	1,346	72.0
31–35	1,023	588		1,611	63.5
36–40	957	555		1,512	63.3
41–45	811	394		1,205	67.3
46–50	537	175		712	75.4
51–55	383	103		486	78.8
56–60	311	61		372	83.6
61–65	223	52	1	276	81.1
66–70	177	33		210	84.3
Over 70	107	18	1	126	85.6
Unknown	8	3	166	177	
Total	6,777	2,746	169	9,692	

The Vehicle

	Vehicles	Percent
Vehicle Action		
Going Straight	4,749	49.2
Turning Right	424	4.4
Turning Left	1,091	11.3
Making U-Turn	53	0.5
Slowing-Stopping	692	7.2
Ran Off Road	577	6.0
Stopped in Traffic	1,147	11.9
Backing	196	2.0
Passing	90	0.9
Changing Lanes	348	3.6
Other	283	2.9
Total	9,650	100.0
Not Stated	42	
Grand Total	9,692	

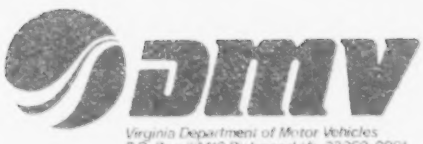
	Vehicles	Percent
Vehicle Defect		
No Defect	9,224	97.4
Lights	19	0.2
Brakes	65	0.7
Steering	16	0.2
Tires	72	0.8
Motor	21	0.2
Other	50	0.5
Total	9,467	100.0
Not Stated	225	
Grand Total	9,692	

The Environment

	Crashes	Percent
Weather		
Clear	5,934	63.2
Cloudy	1,637	17.4
Fog	50	0.5
Mist	263	2.8
Rain	1,398	14.9
Snow	88	0.9
Sleet	17	0.2
Smoke/Dust		
Other	1	
Total	9,388	100.0
Not Stated	18	
Grand Total	9,406	

	Crashes	Percent
Light		
Dawn	195	2.1
Daylight	7,151	76.2
Dusk	226	2.4
Darkness (road lighted)	968	10.3
Darkness (road unlighted)	843	9.0
Total	9,383	100.0
Not Stated	23	
Grand Total	9,406	

	Crashes	Percent
Traffic Controls		
No Controls	1,466	15.7
Traffic Signals	1,995	21.3
Stop Sign	1,056	11.3
Slow/Warning Sign	70	0.7
Yield Sign	143	1.5
No Passing Zone	455	4.9
R.R. Warning Sign	4	
R.R. Signals	2	
R.R. Gate and Signals	8	0.1
Other	4,148	44.4
Total	9,347	100.0
Not Stated	59	
Grand Total	9,406	



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